

Title: CASH DISPENSING AUTOMATED BANKING MACHINE WITH TILT OUT FASCIA

Abstract: An automated banking machine (10) is provided. The automated banking machine may include a fascia (50) in operative connection with a frame (110). The machine may include a plurality of hardware devices which are accessible through the fascia. The hardware devices may include a cash dispenser (24), receipt printer (20), and a card reader (22). The fascia may include replaceable bezels (550,552) with apertures therein for providing access to hardware devices. The bezels may be operative to float with respect to the fascia and hardware devices to automatically align hardware devices with the bezels. In addition the hardware devices may include movable portions which are operative to automatically align with the bezels. The bezels may include ramps, ribs, or other angled surfaces which guide the hardware devices into alignment with the openings in the bezels.

Classifications:

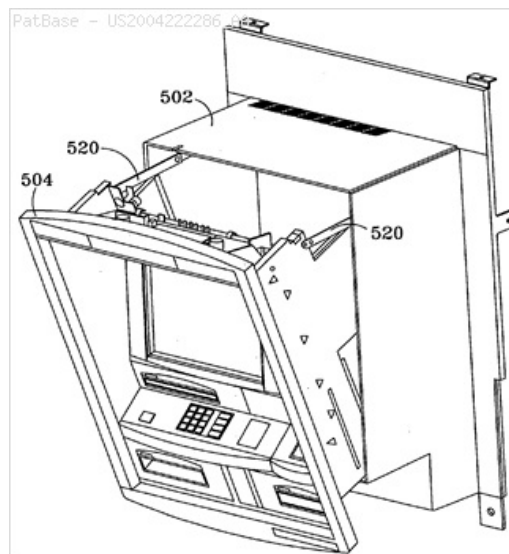
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International (IPC 1-7): E05G7/00 G06F G06F0/00 G06F17/60 G06F7/08 G07D11/00 G07F19/00

CPC: G07D11/0081 G07F19/202 G07F19/207 G06Q20/1085 G06Q40/00 G07F19/205 G07F19/20 G07F19/201

European: G06Q20/1085 G06Q40/00 G07D11/00H G07F19/00F G07F19/20 G07F19/201 G07F19/202 G07F19/205 G07F19/207

US: 108/55.3 108/57.21 109/50 109/50S 109/52 109/58 109/73 235/379 235/379P 235/380 235/381 235/381P 235/384 705/35 705/43 902/13 902/14 902/17 902/18 902/30 902/32 902/8 902/9



Family:

Publication number	Publication date	Application number	Application date
BR122016007438 B1	20180925	BR20161207438	20040310
BRPI0408291 A	20060307	BR2004PI08291	20040310
BRPI0408291 B1	20170221	BR2004PI08291	20040310
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Agent(s): DIMOCK STRATTON LLP; EISEN MARK B; GILBERTS LLP; MELDRUM DAVID JAMES; RALPH E JOCKE; RALPH E JOCKE WALKER AND JOCKE LPA; WALKER AND JOCKE; PARMECE CHRISTOPHER L; JOCKE RALPH E; CHRISTOPHER L; RALPH E; DANIEL D; WALKER AND JOCKE LPA; PARMELEE CHRISTOPHER L

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

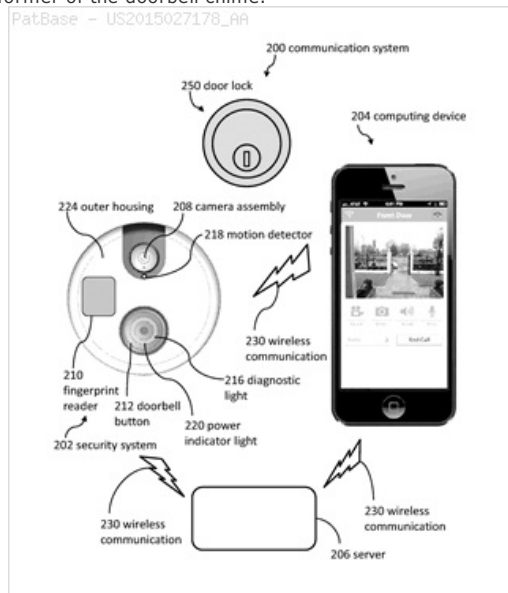
Title: SMART **LOCK** SYSTEMS AND METHODS

Abstract: A **lock** can receive electricity from a transformer of a doorbell chime while the **lock** is mounted on a **door**. The **lock** can be electrically coupled to the face **plate**. The face **plate** can be electrically coupled to the strike **plate** of the **door** frame. The strike **plate** of the doorframe can be electrically coupled to the transformer of the doorbell chime.

Classifications:

International (IPC 8-9): E05B47/00 E05C1/12 G06F3/01 G06F3/16 G06K9/00 G07C9/00 G08B13/196 G08B13/22 G08B25/10 G08B27/00 G08B3/00 G08B3/10 G08B7/06 G08C17/02 G10L15/22 H01H9/16 H04L12/28 H04M1/02 H04M1/725 H04M11/00 H04M11/02 H04N1/00 H04N11/02 H04N5/225 H04N5/232 H04N5/33 H04N5/44 H04N5/77 H04N7/14 H04N7/15 H04N7/18 H04N9/47 H04W4/00 H04W4/16 H04W52/02 H05B37/02 (Advanced/Invention); G01J1/02 G06F1/32 G06K9/00 G08B13/196 G08B15/00 G08B19/00 G08B25/00 G08B25/01 H02J3/14 H04L12/28 H04M1/02 H04M1/725 H04M11/02 H04N1/00 H04N5/225 H04W12/08 (Advanced/Non-invention) **CPC:** G08C17/02 H01H9/168 H01H2231/032 E05B47/0001 E05C1/12 E05B2047/0016 E05B2047/0082 G08B13/19632 H04N5/23238 H05B37/02 H04N5/23216 G07C9/00563 G10L2015/223 G08B13/19619 G08B13/19658 Y10T70/7062 Y10T292/0969 Y10T292/1021 G08B25/14 G08B13/19602 G06K9/00771 H04N5/2251 G01J1/0214 H04N5/2258 G08B13/19636 G08B3/1016 G08B13/19697 G08B25/10 H04N1/00164 H05B37/0236 G10L13/00 Y10T70/5199 Y10T292/097 Y10T292/1014 H02J2003/143 H04L12/2803 H04L2012/2849 G08B3/00 G08B21/086 G08B21/088 H04M1/72558 H04W12/08 H04N5/23241 H04N5/77 G06F1/3287 H01H9/167 G10L15/00 H05B33/0803 H05B37/0227 H05B37/0272 E05B47/026 E05B2047/0059 E05B2047/0061 E05B2047/0095 G07C9/00174 G07C2009/00634 G07C2009/00769 G08B13/19695 G08B15/00 G08B19/005 G07C9/00071 E05B47/00 H04M2250/52 G08B27/005 G06K9/00221 G07C9/00309 H04W4/16 H04M1/72533 H04N5/332 H04M1/72522 H04M2250/06 H04L12/2827 G08B7/06 G08B7/064 G08B15/001 G08B25/001 G08B25/08 G07C9/00039 G07C9/00087 H04M2250/12 H04N7/185 H04L12/2818 H04L12/2825 H04L2012/2841 G07C9/00904 H04N5/2256 H04N5/44 G06F3/167 G06F3/017 H04N2005/4432 G06K9/00288 G10L15/22 G07C9/00571 G07C2209/08 G08B19/00 H04N5/4403 H04N5/2252 G08B25/009 G08B27/003 H04N5/23206 H04N7/142 H04N7/15 H04N7/183 G08B13/19682 H04N5/2254 G08B25/016 H04N1/00214 H04N1/00225 H04N5/33 G08B3/10 H04W52/0209 F21K9/23 F21V33/0056 H04M11/00 Y02B20/383 F21V33/0052 G07C2209/63 Y02D70/1262 Y02D70/142 Y02D70/144 Y02D70/146 Y02D70/164 Y02D70/166 Y02D70/22 Y02D70/26 G08B13/19656 H04N7/186 G08B13/19684 H04M1/0291 H04M1/7253 H04M1/72536 H04M11/025 H04N7/188 H04L12/2823 **US:** 1/1 292/138 292/144 292/163 292/164 340/326 340/328 340/328 340/5.52 340/5.7 340/584 340/6.1 348/14.08 348/140 348/143 348/152 348/156 348/159 70/101 70/277 D10/118.2 D14/159 D16/203 D8/331 D8/343

Locarno class: 10/05 16/01 08/07



Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: SKYBELL TECHNOLOGIES INC

Assignee(s): (std): SKYBELL TECHNOLOGIES INC ; SCALISI JOSEPH FRANK ; TAM INT INC ; SKYBELL TECH INC

Assignee(s): THOMAS ANDREW PAUL ; ARROW ELECTRONICS INC ; HARRISON GREGORY SAUL ; KASMIR SETON PAUL ; MEJIA DESIREE

Inventor(s): (std): KASMIR SETON PAUL ; THOMAS ANDREW PAUL ; SCALISI JOSEPH FRANK ; MEJIA DESIREE ; HARRISON GREGORY SAUL ; JOSEPH FRANK SCALISI

Agent(s): GRIFFITH HACK; BERESKIN AND PARR LLP SENCRL SRL; SMAGGASGALE GILLIAN HELEN; WILLIAM J; WILLIAM; WENGREEN ERIC JOHN

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: ELECTRONIC REAL ESTATE LOCKBOX SYSTEM

Abstract: One or more **lock** or key units of a secure entry system is equipped with a radio receiver. The receiver permits a memory in the **lock** or key unit to be updated with new data that is modulated onto a radio frequency signal. By this technique, system-wide changes of programming data, such as changes of lockout lists and access codes, and changes targeted to specific units, such as disabling a particular key, can be implemented simply and quickly.

Classifications:

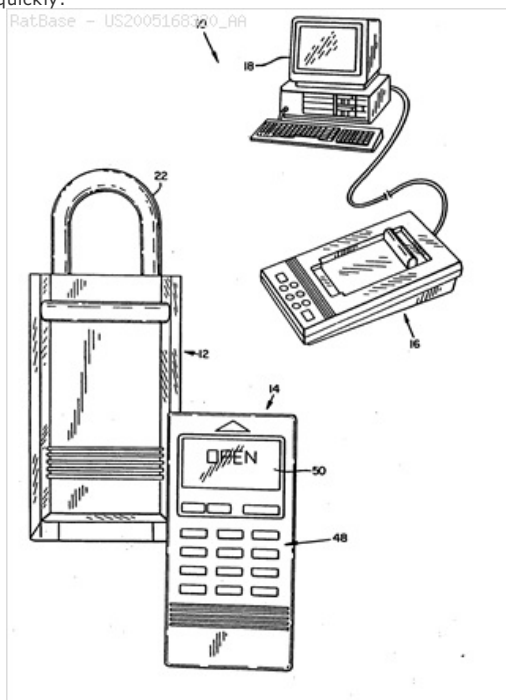
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International (IPC 1-7): B65D55/14 E05B1/01 E05B45/06 E05B47/00 E05B49/00 E05B65/52 E05B67/22 G06F1/16 G06F7/04 G06K5/00 G07C9/00 G07D7/00 H01B1/06 H01H47/00 H02J7/00 H02P1/00 H04B1/06 H04B7/00 H04B7/005 H04B7/26 H04L9/32 H04M11/00 H04M11/04 H04Q1/00 H04Q7/18 H04Q9/00

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Family:

Publication number	Publication date	Application number	Application date
AT155912 E	19970815	AT19920919940T	19920831
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AU199222717 A1	19930302	AU19920022717	19920629
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Priority:

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Assignee(s): (std): INTERLOGIX INC ; OUTSLAY JOHN STEVEN ; LARSON WAYNE F ; MOSGROVE ISSAC J ; HILL MATTHEW S ; LUEBECK JON MARC ; PORTER DOUG R ; GE INTERLOGIX INC ; GEN ELECTRIC ; SUPRA PROD INC ; SLC TECHNOLOGIES INC ; SUPRA PRODUCTS INC ; KICKNER CHRISTOPHER RAYMOND

Assignee(s): HENDERSON WALTER G ; BARRETT PHILIP D ; SUPRA PRODUCTS INC A CORP OF OR ; SUPRA PRODUCTS INC A OF OR CORP ; SUPRA PRODUCTS INC A OR CORP ; SUPRA PRODUCTS INC A CORP OF OREGON ; SUPRA PRODUCTS INC SALEM OREG US ; SHUPURA PURODAKUTSU INC ; SUPRA GROUP INC ; GENERAL ELECTRIC CO ; GE SECURITY INC ; ITI TECHNOLOGIES INC ; MICROSOFT CORP

Inventor(s): (std): SHERMAN JOHN ; VALENZUELA ANTONIO P ; WELLS RALPH ; TOLL MICHAEL C ; KICKNER CHRISTOPHER R ; EARL MARK J ; BARRETT PHILIP ; YORK JAMES D ; WELLS RALPH H III ; WELLS RALPH H ; SCHREINER LYNN LOUIS ; SCANSEN JERRY ; PORTER DOUG R ; OUTSLAY JOHN STEVEN ; MOSGROVE ISSAC J ; MOSGROVE ISAAC J ; MCCAULEY RON ; LUEBECK JON MARC ; KNIFFIN JOHN M ; KICKNER CHRISTOPHER RAYMOND ; KICKNER CHRISTOPHER ; HILL MATTHEW S ; HENDERSON WALTER G ; DANLER RICHARD W ; CHAPIN RON M ; BELLAMY DIRK L ; BARRETT PHILIP D ; BABLER DAVID ; BARRETT IRAL D ; WELLS III RALPH H ; WAYNE F LARSON ; UREIN EDGAR J ; UNREIN EDGAR J ; SCHREINER LYNN L ; SCANSEN JERRY P ; RON MCCAULEY ; RON M CHAPIN ; RICHARD W DANLER ; REVIEA KENNETH L ; RALPH H WELLS III ; RALPH H WELLS ; LYNN LOUIS SCHREINER ; JOHN W SHERMAN ; JOHN M KNIFFIN ; JAMES D YORK ; GRAY JOHN E ; ELLSON GEORGE A ; DAVID BABLER ; DAUM GERALD R ; CHRISTOPHER RAYMOND KICKNER ; BARRETT MARTIN A ; ARCHER JOHN Q II ; ARCHER II JOHN Q ; LARSON WAYNE ; LARSON WAYNE F ; SHERMAN JOHN W ; OLDS ROCKNE M

Inventor(s): NITSUFUIN JON EMU ; MATSUKOORII RON ; SHAAMAN JON DABURYUU ; MCCAULEY RON SALEM OR 97306 US ; ARCHER JOHN Q ; RAASUN UEIN EFU ; UERUZU RARUFU EICHI ZA SAADO ; HENDERSON WALTER ; DOUG R PORTER ; JON MARC LUEBECK ; JOHN STEVEN OUTSLAY ; ISSAC J MOSGROVE ; MATTHEW S HILL

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; PHILLIPS ORMONDE FITZPATRICK; OYEN WIGGS

Designated states: GREEN AND MUTALA LLP; HOARTON LLOYD DOUGLAS CHARLES; KLARQUIST SPARKMAN LLP
AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CR CU CY CZ DE DK DM DZ
EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT
LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG
TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Title: MECHANICAL/ELECTRONIC **LOCK** AND KEY THEREFOR

Abstract: **Locks** and keys are disclosed with electromagnetic as well as mechanical actuation. Several forms of reverse sidebar are described, avoiding binding of the **lock** release mechanism by premature turning of the key by a user. An embodiment of a system is described wherein the **lock** units are in radio communication with a control console, for setting access parameters and monitoring accessing events at each of the various **locks**.

Classifications:

International (IPC 8-9): E05B47/06 G06K19/04

G07C9/00 (Advanced/Invention);

E05B15/02 E05B47/00 (Advanced/Non-invention);

E05B47/06 G06K19/04 G07C9/00 (Core/Invention);

E05B15/00 (Core/Non-invention)

International (IPC 1-7): E05B47/06 E05B49/00 G06K5/00 G07C9/00

CPC: Y10T70/5832 Y10T70/7062 Y10T70/7079 Y10T70/713 Y10T70/7102

Y10T70/7136 Y10T70/7621 E05B47/0012 E05B2047/0031 G07C9/00944

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European: E05B47/06C E05B47/06C4R1 G06K19/04 G06K19/04K6

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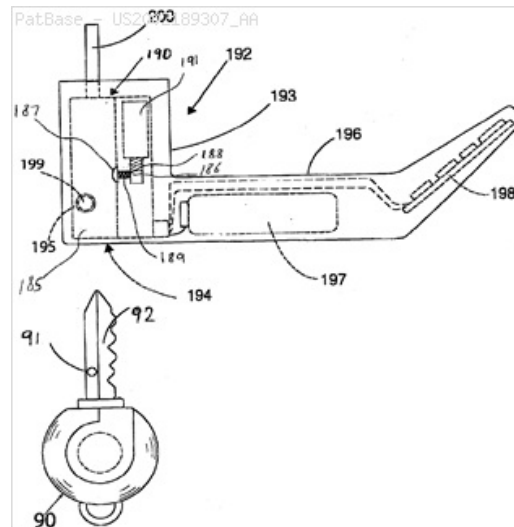
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70/278.700S 70/283 70/283.1 70/496



Family:

Publication number	Publication date	Application number	Application date
EP1244863 A1	20021002	EP20000986485	20001214
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US6374653 BA	20020423	US19990461514	19991214
US6826935 BB	20041207	US20020126501	20020419
WO0144606 A1	20010621	WO2000US34218	20001214

Priority:

US19970995684 19971222 US19990461514 19991214 WO2000US34218 20001214
US20020126501 20020419

Probable Assignee: SECURITY PEOPLE INC

Assignee(s): (std): SECURITY PEOPLE INC

Assignee(s): GOKCEBAY ASIL T ; KEARNS ROBERT E ; KESKIN YUCEL K

Inventor(s): (std): GOKCEBAY ASIL T ; KEARNS ROBERT E ; KESKIN YUCEL K ; GOKCEBAY ASIL

Designated states: AT BE CH CY DE DK ES FI FR GB GR IE IT JP LI LU MC NL PT SE TR

Title: ELECTRONIC INPUT AND DIAL ENTRY **LOCK**

Abstract: An electronic combination **lock** having a dial-shape handle with a keypad incorporated therein is disclosed. Rotation of the handle extends or retracts a bolt that closes or opens the **lock**. In one embodiment, a gear rotated by the shaft displaces the rack end of radially-extending bolts that extend or retract. The keypad includes indicia that inform the user of the extended or retracted condition of the bolt. A battery pack is used to energize circuitry, and the circuitry provides a control signal that activates a solenoid to extend or retract a bolt blocking device, which in turn prevents or enables movement of the bolt. A visual indicator warns of a low voltage or power condition in the battery pack. Electrical contacts are provided in the face **plate** of the handle to connect the circuitry to an external power source in case the battery pack fails.

Classifications:**International (IPC 8-9):** E05B41/00 E05B47/06

G07C9/00 (Advanced/Invention);

E05B47/00 E05B63/00 (Advanced/Non-invention);

E05B41/00 E05B47/06 G07C9/00 (Core/Invention);

E05B47/00 E05B63/00 (Core/Non-invention)

International (IPC 1-7): B21C1/04 E05B37/08 E05B41/00 E05B47/00

E05B47/06 E05B49/00

CPC: E05B47/0002 E05B47/0603 Y10S70/59 E05B47/06 Y10T70/5336

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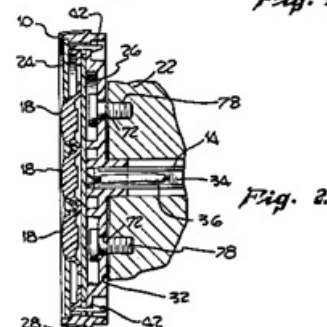
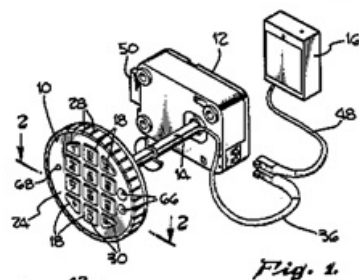
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US: 292/144 292/347 292/348 292/352 292/353 70/133 70/214 70/271

70/278 70/278.1 70/278.7 70/432 70/DIG.59 702/780

PatBase - US5845523_A

U.S. Patent Dec. 8, 1998 Sheet 1 of 5 5,845,523

**Family:**

Publication number	Publication date	Application number	Application date
DE19602438 A1	19960814	DE19961002438	19960124
DE19602438 C2	20001116	DE19961002438	19960124
DE4442666 A1	19951005	DE19944442666	19941130
GB2287981 A1	19951004	GB19940021950	19941101
GB2287981 B2	19970716	GB19940021950	19941101
GB2297354 A1	19960731	GB19950018640	19950912
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GB2331122 A1	19990512	GB19990001055	19950912
GB2331122 B2	19990818	GB19990001055	19950912
GB9421950 A0	19941221	GB19940021950	19941101
GB9518640 A0	19951115	GB19950018640	19950912
GB9901055 A0	19990310	GB19990001055	19950912
US5845523 A	19981208	US19960690027	19960731
US5887467 A	19990330	US19970890017	19970710
US6116066 A	20000912	US19960627799	19960329
US6298699 BA	20011009	US20000611927	20000707

Priority:

US19940219785 19940330	US19950377818 19950125	GB19950018640 19950912
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US20000611927 20000707		

Probable Assignee: U CODE INC**Assignee(s):** (std): GARTNER KLAUS W ; GARTNER KLAUS WILHELM ; PHILLIPS PETER J ; BUTTERWECK DIETER ; CODE INC U**Assignee(s):** DIETER BUTTERWECK ; U CODE INC ; KLAUS WILHELM GARTNER ; GARTNER KLAUS W PALOS VERDES CALIF US ; PETER J PHILLIPS ; U CODE INC TORRANCE CALIF US**Inventor(s):** (std): BUTTERWECK DIETER ; GARTNER KLAUS W ; GARTNER KLAUS WILHELM ; GRATNER KLAUS W ; PHILLIPS PETER J**Inventor(s):** PHILLIPS PETER J SAN PEDRO CALIF US ; PETER J PHILLIPS ; KLAUS WILHELM GARTNER ; KLAUS W GRATNER ; GARTNER KLAUS W PALOS VERDES CALIF US ; DIETER BUTTERWECK ; BUTTERWECK DIETER 04600 DORTMUND DE

Title: SICHERHEITSSYSTEM Security System (Machine translation)

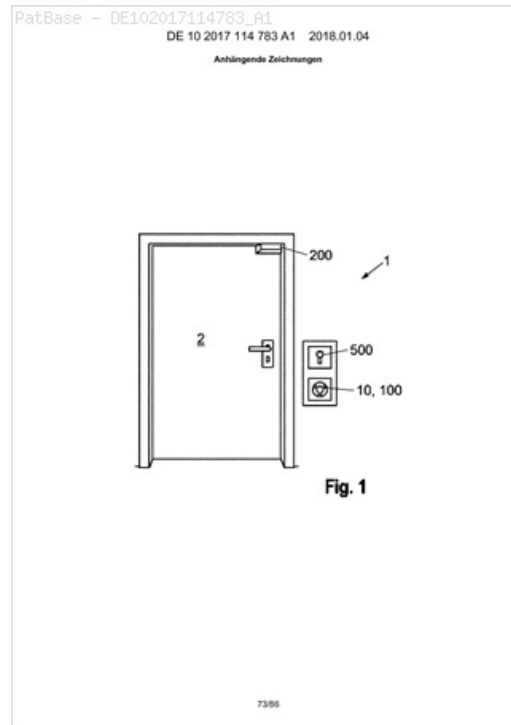
Abstract: Source: DE102017114783A1 [DE] Beschrieben und dargestellt ist ein Sicherheitssystem (1) zur Entriegelung von zumindest einer Tuerverriegelung (200), insbesondere Fluchtwegsicherung, wobei das Sicherheitssystem (1) ein Auslöseelement (10), insbesondere einen Nottaster (10), umfasst, wobei das Auslöseelement (10) ein manuell betätigbares Betaetigungselement (11) umfasst, wobei durch Betaetigung des Betaetigungselements (11) ein Betaetigungssignal zur Entriegelung der Tuerverriegelung (200) erzeugbar ist. Erfindungsgemaess ist vorgesehen, dass das Sicherheitssystem (1) eine Tuerverriegelungssteuerung (201) umfasst, wobei die Tuerverriegelungssteuerung (201) und das Auslöseelement (10) ueber ein erstes Bussystem (400) miteinander verbunden sind, wobei die Tuerverriegelungssteuerung (201) insbesondere ein erstes digitales Verarbeitungsmittel (202) und ein zweites digitales Verarbeitungsmittel (203) umfasst, wobei durch das erste Verarbeitungsmittel (202) und durch das zweite Verarbeitungsmittel (203) ein Verriegelungsmechanismus (205) ansteuerbar ist.

Machine translation: Described and illustrated is a security system (1) for unlocking at least one **door locking** (200), and in particular the safety system (1) escape route fuse, a trigger element (10), in particular an emergency button (10), wherein the trigger element (10) has a manually actuated actuator (11), wherein by actuation of the actuating element (11) an actuation signal to unlatch the **door latch** (200) is generatable. In accordance with the present invention, it is provided that the safety system (1) a **door locking** control (201), wherein the **door lock** control (201) and the trigger element (10) via a first bus system (400) are connected to one another, wherein the **door lock** controller (201) In particular, a first digital processing means (202) and a second digital processing means (203), wherein the first processing means (202) and the second processing means (203), a **locking** mechanism (205) can be controlled.

Classifications:

International (IPC 8-9): E05B47/04 E05B65/10 (Advanced/Invention)

CPC: E05B65/108 E05B47/00



Family:

Publication number	Publication date	Application number	Application date
DE102017114783 A1	20180104	DE201710114783	20170703

Priority:

DE201610112229 20160704

Probable Assignee: DORMAKABA DEUTSCHLAND GMBH

Assignee(s): (std): DORMAKABA DEUTSCHLAND GMBH

Inventor(s): (std): ACKERMANN JOCHEN ; BOEKHOFF MARTIN ; BRUCKERT MICHAEL ; DUDZINSKI ANDRZEJ ; GEHRMANN BERND ; KAPANSKI KAI ; KLEYER HEINZ ; SUBERG MICHAEL

Title: ELECTRONIC **LOCK** IN **CYLINDER** OF STANDARD **LOCK**

Abstract: An electronic security system includes an electronic **lock** mechanism and an electronic key, each of which is provided with a microprocessor controller and a memory storing data including an ID code and encryption key codes. The electronic **lock** security system preferably includes an electronic **lock** including a hollow **cylinder**, an opening into the **cylinder**, a bolt movable through the opening between an extended position and a retracted position, a cam member within the **cylinder**, the cam member contacting the bolt to move the bolt to an unlocked position, a solenoid within the hollow **cylinder**, the solenoid being engageable with the cam member, an electronic **lock** circuit within the hollow **cylinder**, a plug connected to the solenoid for rotating the solenoid, the plug having a keyway for insertion of a key for rotating the plug. In addition, the system also includes an electronic key insertable within the keyway for communicating with the electronic **lock** circuit to operate the **lock**. A torque transmitting solenoid is used in the system.

Classifications:

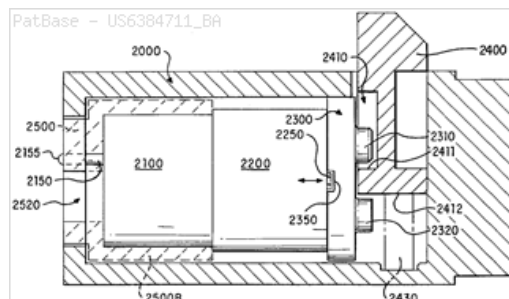
International (IPC 8-9): E05B17/00 E05B17/04 E05B47/06 E05B49/00
G07C9/00 G07D7/00 H04Q1/00 (Advanced/Invention)

International (IPC 1-7): E05B17/00 E05B17/04 E05B47/00 E05B47/06
E05B49/00 G05B19/00

CPC: Y10T70/7062 G07C9/00309 G07C9/00103 G07C9/00119
G07C9/00571 G07C2009/00388 G07C2009/00412 G07C2009/00476
G07C2009/00611 G07C2009/00634 G07C2009/00761 G07C2009/0088
G07C2209/08

European: G07C9/00B12 G07C9/00B8 G07C9/00E4 G07C9/00E7
S07C209/08 S07C9/00E10 S07C9/00E14B S07C9/00E18D S07C9/00E4F
S07C9/00E4G S07C9/00E4H4 S07C9/00E8D2

US: 340/5.65 340/565 70/277



Family:

Publication number	Publication date	Application number	Application date
AR016664 AA	20010725	AR1998P105562	19981104
AU199912817 A1	19990524	AU19990012817	19981029
AU750759 B2	20020725	AU19990012817	19981029
CA2276259 AA	19990628	CA19982276259	19981029
CA2276259 C	20020806	CA19982276259	19981029
CL1998002601 A1	19990927	CL19980002601	19981029
CO4810347 A1	19990630	CO19980065227	19981105
EP0958443 A1	19991124	EP19980956248	19981029
NZ336537 A	20010223	NZ19980336537	19981029
PE88599 A1	19990920	PE19980001046	19981104
US6384711 BA	20020507	US19980186098	19981105
WO9923332 A1	19990514	WO1998US22769	19981029
WO9923332 C2	19990812	WO1998US22769	19981029

Priority:

US19970064547P 19971105 WO1998US22769 19981029 US19980186098 19981105

Probable Assignee: MEDECO SECURITY LOCKS INC

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Assignee(s): SCHROEDER MATTHEW O ; SCHOELL LANCE G ; CREGGER BARTON B ; KINGMA STANLEY DAVID ; MEDECO SECURITY LOCKS INC

Inventor(s): (std): BARTON B CREGGER ; CREGGER BARTON B ; KINGMA STANLEY D ; KINGMA STANLEY DAVID ; LANCE G SCHOELL ; MATTHEW O SCHROEDER ; SCHOELL LANCE G ; SCHROEDER MATHEW O ; SCHROEDER MATTHEW O ; STANLEY D KINGMAN ; STANLEY DAVID KINGMA

Inventor(s): KINGMAN STANLEY D ; G SCHOELL LANCE

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; DIMOCK STRATTON LLP; SARGENT; ERNESTO CAVELIER

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK EE ES FI FR GA GB GE GH GM GN GR GW HR HU ID IE IL IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG UZ VN YU ZW

Title: HIGH SECURITY WIRELESS KEY FOR ASYNCHRONOUS DELIVERY DROP BOXES

Abstract: A wireless key (6), capable of transmitting an ultra-low frequency radio wave signal (5), is used to gain access to a secure receptacle (1), the wireless key (6) and receptacle (1) comprising a system to ensure the secure transfer or delivery of items between parties typically engaging in e-commerce. The wireless key (6) possesses a means to discriminate against the unauthorized entry of the receptacle, such as through the use of buttons to enter a secure access code. The wireless key (6) accepts an access code entry from the user desiring entry to the receptacle (1) and subsequently transmits an ultra-low frequency signal (5) to a receiving and processing means (4). If the analysis of the signal indicates the user of the wireless key (6) is authorized to gain entry to the receptacle (1), the receptacle's **locking** mechanism (3) is disengaged to allow entry.

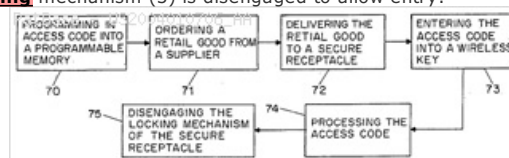
Classifications:

International (IPC 8-9): B65D77/04 B65D81/20 B65D81/38 E05B47/00 G06F1/26 G06F11/00 G06F21/10 G06F7/04 G06F7/08 G06Q10/00 G06Q10/08 G06Q30/00 G07C9/00 G07F17/12 G07F7/00 G08B13/14 G08B29/00 H04B17/00 H04L29/06 H04L9/32 H04Q5/22 (Advanced/Invention); G06F21/62 G06F21/86 G07B17/00 G11B20/00 (Advanced/Non-invention); E05B47/00 G07C9/00 G07F17/10 G07F7/00 G08B13/14 H04Q5/00 (Core/Invention)

International (IPC 1-7): B65D81/20 E05B47/00 G06F G06F17/60 G06F7/04 G06F7/08 G06K5/00 G08B13/14 H04B17/00 H04L9/32 **CP:** G07B2017/00209 G06Q30/00 G07C9/00039 G07C9/00103 G07C9/00166 G07C9/00571 G07C9/00896 G07C9/00912 G07C2009/00793 G07F17/12 G06Q30/0601 G06Q99/00 G07F17/0042 G06Q10/087 G07C9/00174 G07C9/00182 G07C2009/00222 G07C2009/0023 G07C2009/00642 G07C2009/00769 E05B47/00 E05B47/0012 E05B2047/0023 E05B2047/0058 G07C9/00904 G06F21/88 G06F21/10 G11B20/00086 B65D77/0406 B65D81/2023 B65D81/3816 B65D2203/10 G06Q10/08 H04W64/003 G06F21/6218 G06F21/79 G06F21/86 G06F2221/2111

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Family:

Publication number	Publication date	Application number	Application date
AU2001268172 AA	20011217	AU20010268172	20010604
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AU200168172 A5	20011217	AU20010068172	20010604
AU200188468 A1	20020313	AU20010088468	20010828
AU200188468 A5	20020313	AU20010088468	20010828
AU2002253789 AA	20020904	AU20020253789	20011105
CA2411846 AA	20021203	CA20012411846	20010604
CA2457141 AA	20040226	CA20012457141	20010828
US2004010706 AA	20040115	US20030415502	20030428
US2004026504 AA	20040212	US20020297246	20021203
US2004205350 AA	20041014	US20040832853	20040427
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US2005029345 AA	20050210	US20040888372	20040709
US2005245195 AA	20051103	US20040711334	20010604
US2006052060 A9	20060309	US20040711334	20040910
US2007283160 AA	20071206	US20060566135	20061201
US2008186184 AA	20080807	US20070762739	20070613
US2008191847 AA	20080814	US20060633751	20061204
US6820805 BB	20041123	US20020297246	20021203
US7028339 BB	20060411	US20010415502	20010828
US7242290 BB	20070710	US20040711334	20040910
US7536721 BB	20090519	US20060566135	20061201
US9069933 BA	20150630	US20070754261	20070525
WO0195058 A2	20011213	WO2001US18061	20010604
WO0195058 A3	20020606	WO2001US18061	20010604
WO02067076 A2	20020829	WO2001US43999	20011105
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WO0219092 A1	20020307	WO2001US26840	20010828

Priority:

US20000209149P 20000603	US20000209149P 20000603	US20000228555P 20000828
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Probable Assignee: VISIBLE ASSETS INC

Assignee(s): (std): AUGUST JASON ; EBOX COM ; EBOX COM INC ; EBOXCOM INC ; STEVENS JOHN ; STEVENS JOHN K ; WATERHOUSE PAUL ; VISIBLE ASSETS INC ; EBOX USA INC

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Inventor(s): (std): LEUNG GRANT ; STEVENS JOHN ; STEVENS JOHN K ; WATERHOUSE PAUL ; VERGE CHRISTOPHER W ; VANDENBERG MICHAEL J ; TRUONG KENNETH ; AUGUST JASON ; STEVEN JOHN K

Inventor(s): STEVEN JOHN ; VERGE CHRISTOPHER ; JOHN K STEVENS

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Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Title: FASTENER FOR PORTABLE EQUIPMENT

Abstract: A security fastener for helping to prevent the unauthorized removal of table top equipment, such as a personal computer, from its supporting surface, includes a base frame, which receives the equipment to be protected. A double-sided adhesive tape secured to the underside of the base frame affixes the frame to the a supporting surface. A bar moves between an opened and a closed position to permit the equipment to be removed from, and installed within the device. An inventive **lock** assembly is disposed within the base frame and fastens the bar in its closed **locking** position to secure the bar in place. The base frame is fastened together by connecting **pins** to enable the security fastener to be assembled in a convenient manner, and the **lock** assembly is similar in its external appearance to the connecting **pins** for concealing the **locking** assembly from view and for providing the fastener with an aesthetically pleasing appearance.

Classifications:

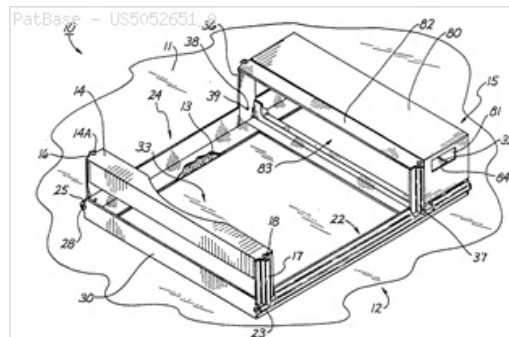
International (IPC 8-9): E05B73/00 F16M13/00 (Advanced/Invention); E05B73/00 (Core/Invention)

International (IPC 1-7): E05B73/00 F16M13/00

CPC: Y10T70/5009 Y10T70/7057 Y10T70/7904 E05B73/0082

European: E05B73/00D

US: 248/205.3 248/505 248/552 248/553 70/276 70/413 70/58



Family:

Publication number	Publication date	Application number	Application date
AU199066065 A1	19911010	AU19900066065	19900928
US5052651 A	19911001	US19900492663	19900313
US5085395 A	19920204	US19900492737	19900313
US5299436 A	19940405	US19910781011	19911018
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Priority:

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Probable Assignee: MARDESICH ENTERPRISES INC

Assignee(s): (std): MARDESICH ENTERPRISES ; MARDESICH ENTERPRISES INC

Inventor(s): (std): FRATER WAYNE K ; GUDDEE ROBERT ; MARDESICH LUKE ; SPITZER JOSEPH ; SPITZER JOSEPH C

Inventor(s): WAYNE K FRATER ; ROBERT GUDDEE ; JOSEPH SPITZER ; LUKE MARDESICH

Designated states: AT AU BE CA CH DE DK ES FR GB IT JP LU NL SE

Title: ELECTRONIC SECURITY SYSTEM

Abstract: An electronic **lock** system for controlling access to a plurality of enclosures each having an openable and closeable panel. The system is comprised of a **lock** mechanism mounted to each of the panels. The **lock** mechanism has a **lock** member movable between a first position **locking** the panel and a second position unlocking the panel. Each of the **lock** mechanisms has a specific access code allowing movement of the **lock** member from the first position to the second position. An identification system is provided for identifying individuals authorized for access to one or more of the enclosures. A processing system stores information regarding access codes for each of the enclosures and individual identification information for identifying the enclosure to which an authorized individual is allowed access. A portable key device is used with the **lock** mechanisms on the panels; the key device having memory programmable by the processing system for storing an access code to a **lock** mechanism on one of the panels.

Classifications:**International (IPC 8-9):** E05B35/12 E05B47/02 E05B47/06 E05B49/00

E05G1/00 G06F7/04 G07C9/00 (Advanced/Invention);

E05B49/00 E05G1/00 G06F7/04 (Advanced/Non-invention);

E05B47/02 E05B49/00 E05G1/00 G06F7/02 G07C9/00 (Core/Invention);

E05B35/12 E05B47/06 (Core/Non-invention);

E05B E05G (Subclass/Invention)

International (IPC 1-7): E05B35/12 E05B47/06 E05B49/00 E05G1/00

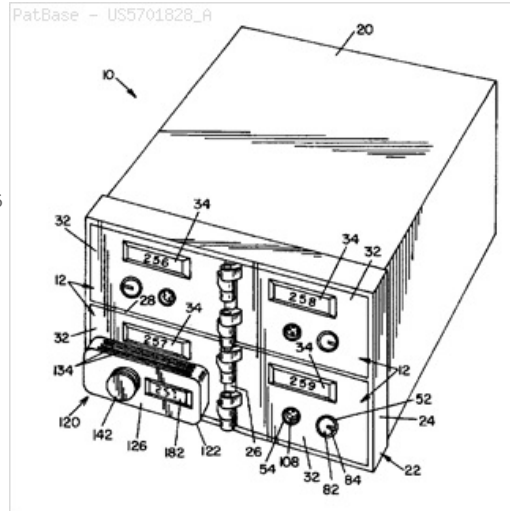
G06F7/04

CPC: Y10T70/7073 G07C9/00912 E05B47/0002 E05B47/0004 E05B47/026

G07C2009/00761 G07C2009/0088

European: E05B47/00A1 E05B47/02R G07C9/00E20C P05B47/00A1B1

S07C9/00E14B S07C9/00E18D

US: 109/53 109/56 340/5.65 340/5.73 340/825.31 70/278 70/278.2**Family:**

Publication number	Publication date	Application number	Application date
BRPI9509146 A	19971125	BR1995PI09146	19950905
CN1161726 A	19971008	CN19951095046	19950905
CN1175160 C	20041110	CN19951095046	19950905
CZ294948 B6	20050413	CZ19970000619	19950905
CZ9700619 A3	19970716	CZ19970000619	19950905
HU223883 B1	20050329	HU19970000048	19950905
HU76010 A2	19970630	HU19970000048	19950905
HU9700048 A0	19970228	HU19970000048	19950905
KR100232703 B1	19991201	KR19970701534	19970308
KR19970705685 A	19971009	KR19970701534	19950905
MX9700704 A1	19970531	MX19970000704	19950905
PL181666 B1	20010831	PL19950318690	19950905
PL318690 A1	19970707	PL19950318690	19950905
RU2145378 C1	20000210	RU19970105380	19950905
RU97105380 A	19990527	RU19970105380	19970414
TW300936 B	19970321	TW19950109591	19950913
US5701828 A	19971230	US19960672470	19960628
WO9608626 A1	19960321	WO1995US11119	19950905
ZA9507405 A	19960417	ZA19950007405	19950904

Priority:

US19940305544 19940914 WO1995US11119 19950905 US19960672470 19960628

Probable Assignee: DIEBOLD NIXDORF INC**Assignee(s):** (std): DAJBOLD INKORPOREJTED ; DIEBOLD INC**Assignee(s):** DIEBOLD INCUS ; DIEBOLD NIXDORF INC ; DIEBOLD**Inventor(s):** (std): SHAWN GIBSON ; RANDOLPH C BENORE ; RANDOLF C BENORE JOSEPH GAGLIANO SHAWN GIBSON ; RANDOLF C BENORE ; NEJDLINGER DONAL D ; MAKDZHORDZH GREHM ; LEO J GROSSWILLER ; JOSEPH GAGLIANO ; JOSEPH GAGLIANO ; BINORE RENDOL F ; BENORE RANDOLF C ; NEIDLINGER DONALD ; MCGEORGE GRAM ; GROSSWILLER LEO J ; GIBSON SHAWN ; GAGLIANO JOSEPH ; BENORE RANDOLPH C ; BENORE RANDOLPH ; GROSSWILLER LEO DZH ; GRAM MCGEORGE ; GIBSON RANDOLF C BENORE JOSEPH ; GAGLIANO DZHOZEZ ; DZHIBSON SHON ; DONALD NEIDLINGER ; GALIANO JOSEPH ; GROSSWILER LEO K**Inventor(s):** LEO K GROSSWILER ; BINORE RENDOL'F ; NEJDLINGER DONAL'D**Designated states:** BR CN CZ HU KR MX PL RU

Title: **DOOR** OR WINDOW SECURITY SYSTEM FOR MOUNTING AT A **DOOR** OR WINDOW FRAME

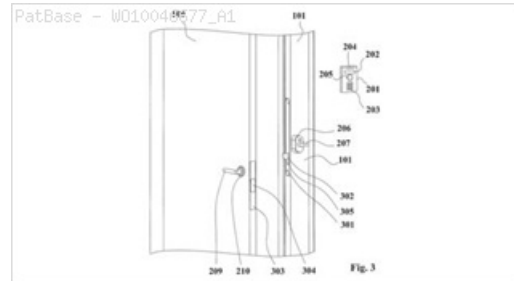
Abstract: A **door** or window security system in which a **door latch** mechanism (301) is mounted within a **door** frame (101) and the bolt (302) is configured to shoot into the **door** or window (100). Movement of the bolt (302) is provided by both electronic actuation from a **door** mounted handle (209), an externally mounted user interface (103), an internally mounted user interface (201) and a **door** frame mounted handle (207). A mechanical override for movement of the bolt (302) is provided via the frame mounted handle (207).

Classifications:

International (IPC 8-9): E05B47/00 E05B47/02 E05B47/06 E05B63/00 G07C9/00 (Advanced/Invention)

CPC: G07C9/00182 E05B47/0002 E05B47/02 E05B63/0052 E05B2047/0071 E05B2047/0086 G07C9/00896 G07C9/00944 E05B47/0046 G07C9/00174

European: E05B47/02 E05B63/00R G07C9/00E2 G07C9/00E20 G07C9/00E22 P05B47/00A1 P05B47/00E8 P05B47/00K3



Family:

Publication number	Publication date	Application number	Application date
GB200819174 A0	20081126	GB20080019174	20081020
GB2464520 A1	20100421	GB20080019174	20081020
GB2464520 B2	20110810	GB20080019174	20081020
WO10046677 A1	20100429	WO2009GB51265	20090928

Priority:

GB20080019174 20081020

Probable Assignee: GENESIS PROPERTIES SCOTLAND LT

Assignee(s): (std): GENESIS PROPERTIES SCOTLAND LT ; JONES ANTHONY ; SALTER MARCUS ; PHILLIPS MARK ; DULAKE NICHOLAS ; GENESIS PROPERTIES

Assignee(s): GENESIS PROPERTIES SCOTLAND LIMITED

Inventor(s): (std): DULAKE NICHOLAS ; JONES ANTHONY ; PHILLIPS MARK ; SALTER MARCUS

Inventor(s): ANTHONY JONES ; MARK PHILLIPS ; NICHOLAS DULAKE

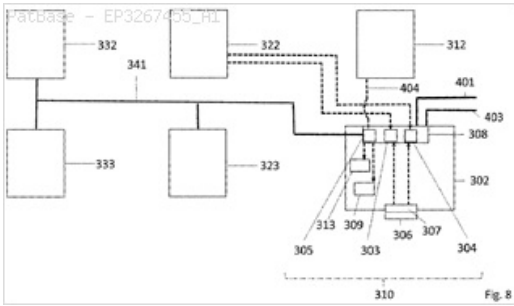
Agent(s): NEILSON MARTIN

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: SAFETY SYSTEM SYSTEME DE SECURITE

Abstract: Source: EP3267455A1 [DE] Die Erfindung betrifft ein Sicherheitssystem (1) zur Entriegelung von zumindest einer Tuerverriegelung (200), insbesondere zur Fluchtwegsicherung, mit zumindest einem Auslöseelement (10), insbesondere einem Nottaster (10), wobei das Auslöseelement (10) ein manuell betätigbares Betaetigungselement (11) umfasst, wobei das Betaetigungselement (11) zur Entriegelung zumindest eines Verriegelungsmechanismus (205) einer Tuerverriegelung (200) betätigbar ist, mit einer zentralen Fluchtwegsteuerung (300), wobei die zentrale Fluchtwegsteuerung (300) einen zentralen Notfalltaster (302) umfasst, wobei der zentrale Notfalltaster (302) ein Notfalltasterbetaetigungselement (306) umfasst, wobei das Notfalltasterbetaetigungselement (306) zur Entriegelung des zumindest einen Verriegelungsmechanismus (205) betätigbar ist, Erfindungsgemaess ist vorgesehen, dass der zentrale Notfalltaster (302) eine erste digitale Notfallverarbeitungseinheit (303) und eine zweite digitale Notfallverarbeitungseinheit (304) umfasst. **Machine translation:** The invention relates to a system (1) for unlocking at least one **door locking** (200), in particular for the escape route control, with at least one trigger element (10), in particular an emergency button (10), wherein the trigger element (10) is a manually actuated actuator (11), wherein the actuator (11) for unlocking at least one **locking** mechanism (205) of a **door locking** (200) operable with a central escape route control (300), wherein the central escape route control (300) has a central emergency switch (302), wherein the central emergency button (302) an emergency button actuation element (306), wherein the emergency push-button actuator (306) to unlock the at least one **locking** mechanism (205) is operable, in accordance with the present invention, it is provided that the central emergency button (302) a first digital emergency processing unit (303) and a second digital emergency processing unit (304).

Classifications:
International (IPC 8-9): E05B47/04 E05B65/10
H01H3/02 (Advanced/Invention)
CPC: H01H3/022 E05B65/108



Family:

Publication number	Publication date	Application number	Application date
DE102017114791 A1	20180125	DE201710114791	20170703
EP3267455 A1	20180110	EP20170179418	20170703

Priority:

DE201610112224 20160704 DE201710100472 20170111

Probable Assignee: DORMAKABA DEUTSCHLAND GMBH

Assignee(s): (std): DORMAKABA DEUTSCHLAND GMBH

Inventor(s): (std): BOEKHOFF MARTIN ; DUDZINSKI ANDRZEJ ; GEHRMANN BERND

Agent(s): BALDER IP LAW SL

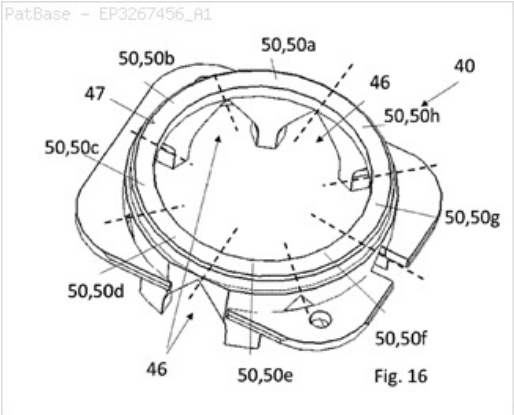
Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Title: RELEASE ELEMENT ELEMENT DE DECLEN

Abstract: Source: EP3267456A1 [DE] Die Erfindung betrifft ein Auslöseelement, insbesondere einen Nottaster (10), zur Entriegelung von zumindest einer Tuerverriegelung (200), insbesondere zur Fluchtwegsicherung, wobei das Auslöseelement Leuchtmittel (41) zum Anzeigen eines verriegelten und/oder entriegelten Zustands einer Tuerverriegelung (200) umfasst. Erfindungsgemaess ist vorgesehen, dass die Leuchtmittel (41) zumindest in zwei Gruppen, jeweils ansteuerbar sind, wobei insbesondere die Leuchtmittel (41) zumindest teilweise einzeln ansteuerbar sind. **Machine translation:** The invention relates to a trigger element, in particular an emergency button (10) to unlock at least one **door locking** (200), in particular for the escape route fuse, the trigger element illuminant (41) for indicating a **locked** and/or unlocked state of a **door locking** (200). In accordance with the present invention, it is provided that the illuminants (41) at least in two groups, each controllable in an individual manner, wherein in particular, the illuminant (41) at least partially be controllable in an individual manner.

Classifications:

International (IPC 8-9): E05B47/04 E05B65/10
H01H3/02 (Advanced/Invention);
H01H13/02 (Advanced/Non-invention)
CPC: H01H3/022 E05B65/108 H01H2003/0233 H01H2013/026
H01H2219/039 H01H2219/062 E05B17/10



Family:

Publication number	Publication date	Application number	Application date
DE102017114793 A1	20180104	DE201710114793	20170703
EP3267456 A1	20180110	EP20170179420	20170703

Priority:

DE201610112220 20160704 DE201710100468 20170111

Probable Assignee: DORMAKABA DEUTSCHLAND GMBH

Assignee(s): (std): DORMAKABA DEUTSCHLAND GMBH

Inventor(s): (std): ACKERMANN JOCHEN ; BOEKHOFF MARTIN ; GEHRMANN BERND ; KAPANSKI KAI

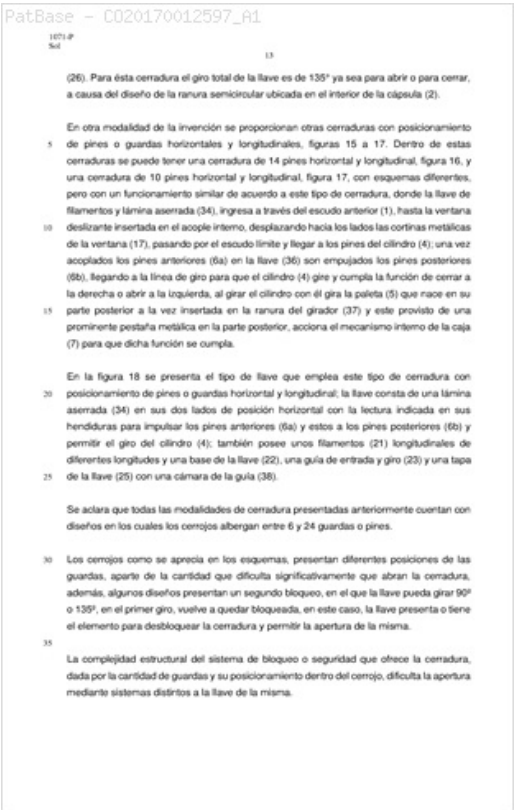
Agent(s): BALDER IP LAW SL

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Title: CERRADURA CON SISTEMAS DE MULTIPLES GUARDAS O PINES Lock with multiple pins or Guards (Machine translation)

Abstract: Source: CO20170012597A [ES] La presente invencion proporciona cerraduras con sistemas de multiples guardas o pines en diferentes posiciones y bloqueos internos en el cerrojo que contempla una cantidad entre 6 y 24 guardas. Los cerrojos presentan diferentes posiciones de las guardas aparte de la cantidad que dificulta significativamente que abran la cerradura. Las cerraduras comprenden, de forma general, un cerrojo comprendido por un escudo anterior (1), una capsula (2) perforada, un disco limite o de seguridad (3), un cilindro perforado (4), una paleta (5), unas guardas (6), unos pasadores (8), un pestillo (9), una varilla de accionamiento del pestillo (10), un cilindro del pestillo (11), un cuerpo de los pasadores (12), un resorte de presion (13), una platina de bloqueo de los pasadores (14), un resorte de la platina de bloqueo (15), un acople interno (16), una ventana deslizante (17), una platina posterior de sujecion (18); ademas, una caja posterior (7); una tapa (19) de la caja posterior y una llave. Machine translation: The present invention provides systems, multiple locks with pins or guards in different positions and locks in the bolt that contemplates an amount between 6 and 24 guards. The bolts have different positions of the guards in addition to the amount significantly difficult to open the lock. The locks comprise, in general, a bolt shield (1), comprised of a capsule (2), a perforated disk (3), limit or a perforated cylinder (4), a blade (5), guards (6), pins (8), a latch (9), a drive rod of the latch (10), a cylinder of the latch (11), a body of the pins (12), a pressure spring (13), a platen of locking pins (14), a spring of the locking plate (15), a coupling (16), a sliding window (17), a rear plate (18); in addition, a back box (7); a lid (19) of the back box and a key

Classifications:
International (IPC 8-9): E05B29/00 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CO20170012597 A1	20180309	CO20170012597	20171206

Priority:

CO20170012597 20171206

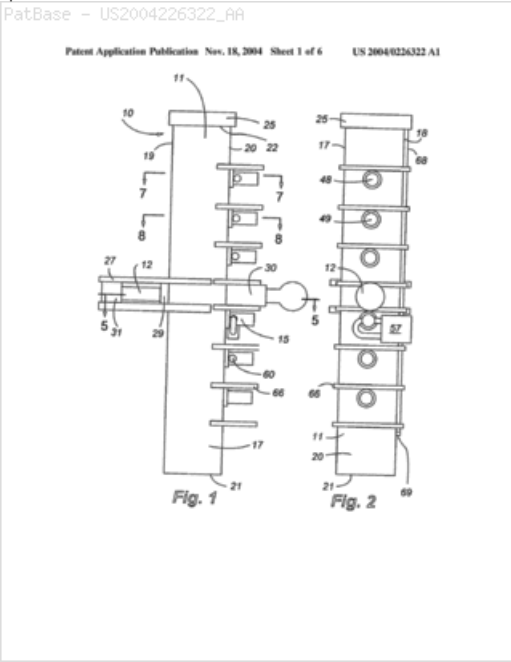
Probable Assignee: GUTIERREZ ARAUJO GUSTAVO
Assignee(s): (std): GUTIERREZ ARAUJO GUSTAVO
Assignee(s): GUSTAVO GUTIERREZ ARAUJO
Inventor(s): (std): GUTIERREZ ARAUJO GUSTAVO
Inventor(s): GUSTAVO GUTIERREZ ARAUJO
Agent(s): MILENA MEJIA OSORIO

Title: MULTIPLE PADLOCK **LATCH**

Abstract: A **latch** has a sliding bar, and multiple push bolts that each accept padlocks. The sliding bar is released by removing a padlock and pushing the corresponding push bolt. There is a master push bolt, with the remaining push bolts being slave push bolts. A master user, by removing the padlock from the master push bolt, can activate or deactivate any of the slave push bolts. **Guard plates** extend between and outside of the push bolts to protect the padlocks.

Classifications:

International (IPC 8-9): E05B65/06 E05B65/48 E05B67/38 F16H57/00 G05G5/00 (Advanced/Invention);
E05B65/00 E05B65/06 E05B67/00 F16H57/00 G05G5/00 (Core/Invention)
International (IPC 1-7): E05B65/06 E05B65/48 F16H57/00 G05G5/00
CPC: Y10S70/63 E05B67/383 Y10T70/30 Y10T70/5319 Y10T70/5726 Y10T292/1025 Y10T292/1029 Y10T292/314
European: E05B67/38B
US: 292/148 292/151 292/283 70/129 70/2 70/200 70/DIG.63 702/0



Family:

Publication number	Publication date	Application number	Application date
US2004226322 AA	20041118	US20030431731	20030508
US6857299 BB	20050222	US20030431731	20030508

Priority:

US20020396190P 20020716 US20030431731 20030508

Probable Assignee: MCNEIL RANDY

Assignee(s): (std): MCNEIL RANDY

Inventor(s): (std): MCNEIL RANDY

Agent(s): ANCEL W

Title: USER-FRIENDLY TWIST **LOCK**

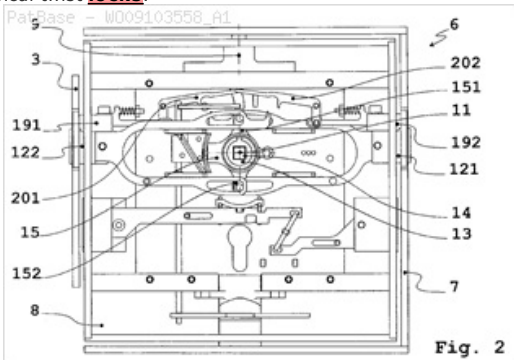
Abstract: The present invention relates to a twist **lock** (6), which is provided with a complex internal controller, which prevents incorrect operation, as those that occur in the event of unskilled use of typical twist **locks**.

Classifications:

International (IPC 8-9): E05B1/00 E05B63/00 E05B63/04 E05B63/08 E05B63/16 E05B63/18 (Advanced/Invention); E05B1/00 E05B7/00 (Advanced/Non-invention); E05B1/00 E05B63/00 (Core/Invention); E05B1/00 E05B7/00 (Core/Non-invention)

CPC: E05B1/0053 E05B7/00 E05B63/048 E05B63/16 E05B63/18

European: E05B63/04E E05B63/16 E05B63/18 P05B1/00E P05B7/00



Family:

Publication number	Publication date	Application number	Application date
DE102008010166 A1	20091001	DE200810010166	20080220
DE102008010166 B4	20100318	DE200810010166	20080220
WO09103558 A1	20090827	WO2009EP01242	20090220

Priority:

DE200810010166 20080220

Probable Assignee: SCHLECHTENDAHL AND SOEHNE WILH

Assignee(s): (std): FASEL ROBIN ; HENCKEN CLAUS ; RADZIEJEWSKI JOERG ; SCHLECHTENDAHL AND SOEHNE WILH ; WIHL SCHLECHTENDAHL AND SOEHNE G

Assignee(s): WIHL SCHLECHTENDAHL AND SOEHNE GMBH AND CO KG ; WILH SCHLECHTENDAHL AND SOEHNE GMBH AND CO KG

Inventor(s): (std): RADZIEJEWSKI JOERG ; HENCKEN CLAUS ; FASEL ROBIN

Agent(s): ISFORT OLAF

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Abstract: New non-damaging, yet installed portable **door lock** techniques are provided. Embodiments include both external and internal **locking** controls, with and without the use of keys and safety releases. In some aspects of the invention, a **locking** device may be non-damagingly mounted, in both a **locked** and unlocked condition, on the **door** jamb and/or mortise or other **latch**-accepting hole of a doorway and, with a variably-extensible **door**-gripping member, **lock** a **door** to the doorway and/or wall. Some aspects implement low weight and size, yet high-strength materials to enhance portability for traveling users. Some external control options are physical, as well as electronic, despite the challenges presented in this regard for temporary, portable **locks**. Examples of safety releases for external unlocking of the **locking** devices are also provided, and include remote access options. Embodiments also include cushioning and other devices for reducing lateral play, doorway damage and optimizing holding force.

International (IPC 8-9): E05B63/00 (Advanced/Invention)

CNC: E05B13/002 E05B19/00 E05B53/003 E05B63/003 E05B77/54
E05B2047/0083 E05B2047/0094 E05C17/54 E05C19/188 E05C19/182
E05B15/08 Y10T70/40

Publication number	Publication date	Application number	Application date
US2014245798 AA	20140904	US20130783416	20130304

US20130783416 20130304

Assignee(s): (std): BECKMAN CHRISTOPHER V

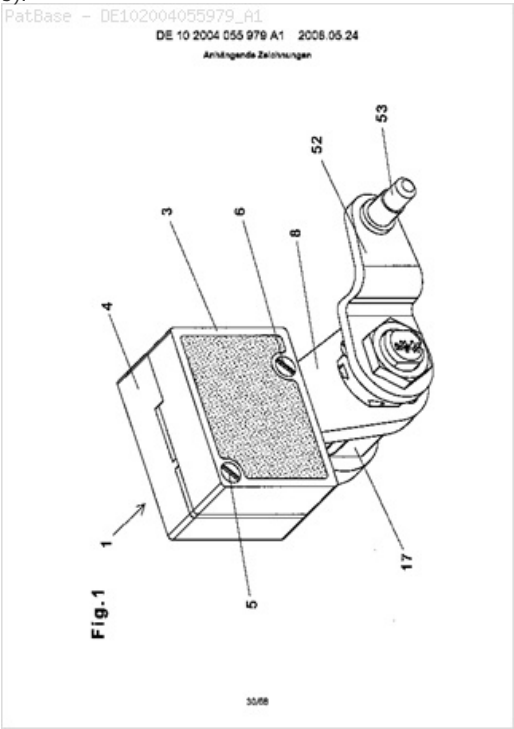
Inventor(s): (std): BECKMAN CHRISTOPHER V

Title: LOCK FOR A SAFE OR CASH DISPENSER AND THE LIKE, WITH A MECHANICAL LOCKING MECHANISM, HAS AN ADDITIONAL LOCK WITH A MOTOR DRIVE OPERATED BY A PORTABLE DATA CAPTURE/INPUT UNIT THROUGH A COMPUTER

Abstract: The lock for a safe, cash or merchandise dispenser and the like, has a conventional mechanical locking mechanism and an additional lock (58) operated and controlled by an electrical and/or electronic motor drive (87) for movement between locked and unlocked settings. The system works with a portable data capture or input unit (66) with software memory (82) and monitor (84), an infra red connection to a receiver (67) and a computer (63).

Classifications:

International (IPC 8-9): E05B27/00 E05B47/06 E05B63/14
G07F9/00 (Advanced/Invention);
E05B27/00 E05B47/06 E05B63/00 G07F9/00 (Core/Invention)
CPC: E05B47/0011 E05B47/063 G06Q20/327 G07F11/72 G07F17/10
E05B17/147
European: E05B47/06C E05B47/06C4R1 G06Q20/327 G07F11/72
G07F17/10 P05B47/00A3



Family:

Publication number	Publication date	Application number	Application date
DE102004055979 A1	20060524	DE200410055979	20041119
DE102004055979 B4	20060706	DE200410055979	20041119

Priority:

DE200410055979 20041119

Probable Assignee: JUL NIEDERDRENK GMBH AND CO KG

Assignee(s): (std): JUL NIEDERDRENK GMBH AND CO KG

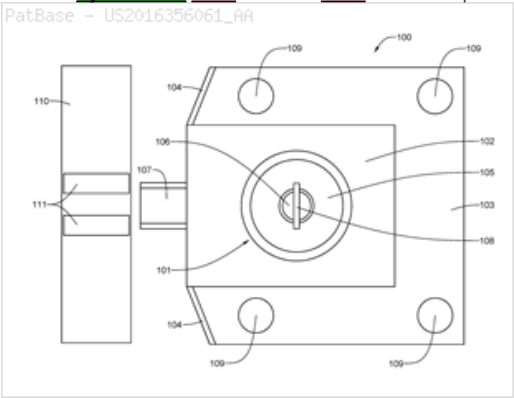
Inventor(s): (std): KEMMANN PETER

Title: LOCKING BOLT HOUSING, STRIKER PLATE AND ANTI-PRY DEVICE FOR ROLL-UP DOORS OF GARAGES, SHEDS AND DELIVERY TRUCKS

Abstract: A locking system for segmented, roll-up doors includes a lockable bolt slidable within a bolt housing, a shielded striker plate, and an anti-pry device, which prevents the roll-up door from being shifted sideways in order to disengage the bolt of the deadbolt lock from the striker plate. A first embodiment system employs a lockable bolt provided by a conventional deadbolt lock that installs within the bolt housing. The key of the deadbolt lock is rotated so that the bolt slides enters an aperture in the striker plate. The second embodiment has a lockable bolt that slides within the bolt housing, is preferably made of hardened steel, and has a hasp welded to one end thereof. The bolt housing incorporates a semi-cylindrical steel rampart on the exterior surface of the housing, which forms a receptacle for a hidden-shackle cylindrical lock that can lock to the hasp.

Classifications:

International (IPC 8-9): E05B15/02 E05B15/16 E05B17/20 E05B65/00 E05B65/08 E05B67/36 E05B67/38 (Advanced/Invention)
CPC: E05B65/0021 E05B67/36 E05B67/38 E05B15/1614 E05B17/2084 E05B15/0205 E05B13/002 E05B65/087 E05C1/04
US: 70/34



Family:

Publication number	Publication date	Application number	Application date
US2016356061 AA	20161208	US20160173606	20160603

Priority:

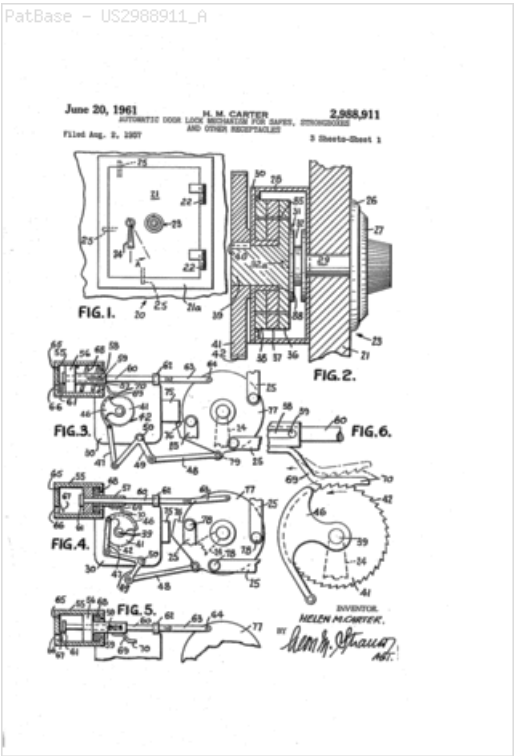
US20150170642P 20150603 US20150247169P 20151027 US20160173606 20160603

Probable Assignee: GLEDHILL JOSEPH B
Assignee(s): (std): GLEDHILL JOSEPH B
Inventor(s): (std): GLEDHILL JOSEPH B

Title: AUTOMATIC DOOR LOCK MECHANISM FOR SAFES, STRONGBOXES AND OTHER RECEPTACLES

Abstract: (Claim 1) 1. In a safe provided with a spinning ring, **disk** type, 55 combination **lock** and a **lock** control handle secured to a **lock** bolt bearing **disk** in the safe **door**, rotatable to move the **lock** bolts into open position for unlocking the safe, and closed position for **locking** the safe; automatic mechanism for scrambling the combination **lock** of the 6q safe and **locking** the safe following a predetermined lapse of time after it is unlocked and the safe **door** is closed, comprising a ratchet wheel operatively connected with the spinning ring **disk** of the combination **lock** and with the **lock** bolt bearing **disk**, a ratchet arm actuable gg by and operatively connected to said **lock** bolt bearing **disk**, and capable of engaging with and rotating said ratchet wheel, whereby said spinning ring **disk** may be spun to scrambled position, and said **lock** bolt bearing **disk** operatively connected to said ratchet wheel may be ^,q rotated into closed position, **spring** means for operating said ratchet arm, said **spring** means becoming operative when the safe is unlocked, and **spring** retarding means for delaying the movement of said ratchet arm and said ratchet wheel, said **spring** means engaging said **spring** re-7 tarding means so that when the **lock** control handle and the **lock** bolt bearing **disk** are turned to open position to unlock the safe, and the safe **door** is closed, said **spring** imeans becomes operative after a predetermined lapse of time to actuate said ratchet arm and said ratchet wheel for turning the **lock** bolt bearing **disk** and moving the **lock** bolts into closed position thereby **locking** the safe and simultaneously spinning the **disk** into scrambled position.

Classifications:
International (IPC 8-9): E05B37/00 (Advanced/Invention); E05B37/00 (Core/Invention)
International (IPC 1-7): E05B37/08
CPC: E05B37/00 Y10T70/7316
European: E05B37/00
US: 109/59R 49/30 70/314



Family:

Publication number	Publication date	Application number	Application date
US2988911 A	19610620	US19570676004	19570802

Priority:

US19570676004 19570802

Probable Assignee:

CARTER HELEN M

Assignee(s): (std):

CARTER HELEN M

Inventor(s): (std):

CARTER HELEN M

Title: ELECTRICALLY ENERGIZED OPERATING MECHANISM FOR THE **DOOR** OF A VEHICLE AND THE LIKE, AND DRIVE ARRANGEMENT FOR THE MECHANISM

Abstract: A drive arrangement including a flywheel, an electric motor drivably connected to the flywheel for rotating the same is provided with a motion transmitting train operatively interposed between the flywheel and an output member of the drive arrangement for transmitting motion from the flywheel to the output member only after a certain number of revolutions of the flywheel about its axis, thereby permitting the flywheel to be accelerated under no-load conditions before the energy stored therein is transmitted to the output member and to a load connected to the same. Because energy can be supplied by the drive arrangement at a much higher rate than would be available from the electric motor, the drive arrangement is well suited for **door** operating units of a motorcar and the like which need to be installed in the limited space within the **door**.

Classifications:

International (IPC 8-9): E05B65/12 E05B65/20 E05B65/36 E05B77/48 E05B81/06 E05B81/20 E05B81/24 E05B81/34 H01T13/00 (Advanced/Invention);

E05B65/12 E05B65/20 E05B65/36 H01T13/00 (Core/Invention)

International (IPC 1-7): E05B47/02 E05B63/14 E05B65/12 E05B65/20 E05B65/36 E05C13/04 E05C13/10 E05F15/00 E05F15/12 H01T13/00

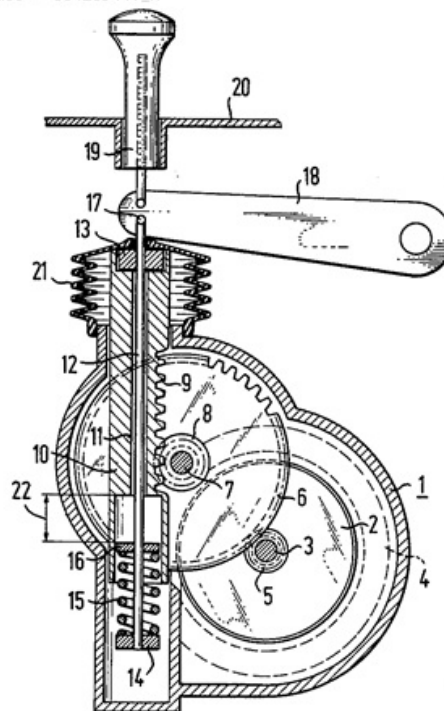
CPC: Y10S292/22 E05B81/34 E05B81/54 E05B81/25 Y10T292/1082

Y10T292/57 Y10T70/65 E05B81/06 E05B77/48 E05B81/20

European: E05B77/48 E05B81/06 E05B81/20 E05B81/25

US: 292/201 292/336.3 292/DIG.22 70/264

PatBase - US4269440_A



Family:

Publication number	Publication date	Application number	Application date
BR7607430 A	19770920	BR19760007430	19761108
DE2550213 A1	19770518	DE19752550213	19751108
DE2550409 A1	19770608	DE19752550409	19751110
DE2557970 A1	19770721	DE19752557970	19751222
DE2721970 A1	19781116	DE19772721970	19770514
FR2330832 A1	19770603	FR19760034054	19761105
FR2330832 B1	19820910	FR19760034054	19761105
FR2390568 A2	19781208	FR19780015155	19780512
GB1530716 A	19781101	GB19760046353	19761108
IT1071816 A	19850410	IT19760069645	19761105
IT1159669 A	19870304	IT19780068093	19780512
IT7868093 A0	19780512	IT19780068093	19780512
JP1218175 C3	19840717	JP19760134012	19761108
JP52061018 A2	19770520	JP19760134012	19761108
JP58052075 B4	19831119	JP19760134012	19761108
SE419255 B	19810720	SE19760012291	19761104
SE419255 C	19811029	SE19760012291	19761104
SE424895 B	19820816	SE19780005492	19780512
SE424895 C	19821125	SE19780005492	19780512
SE7612291 A	19770509	SE19760012291D	19761104
SE7805492 A	19781115	SE19780005492	19780512
US4269440 A	19810526	US19790056519	19790711
US4290634 A	19810922	US19780902346	19780503

Priority:

DE19752550213 19751108	DE19752550213 19751108	US19750739818 19751108
DE19752550409 19751110	DE19752550409 19751110	DE19752557970 19751222
BR19760007430 19761108	US19760739818 19761108	DE19772721970 19770514
US19770865939 19771230	US19790056519 19790711	

Probable Assignee: FICHTEL AND SACHS AG

Assignee(s): (std): ALVES F ; FICHTEL AND SACHS AG ; GELHARD EGON

Assignee(s): FICHTEL U SACHS AG ; FICHTEL SACHS AG ; FICHTEL UND SACHS AG ; EGON GERUHARUTO ; FICHTEL AND SACHS

Inventor(s): (std); GELHARD EGON ; GELHARD E ; ALVES F ; EGON GERUHARUTO

Inventor(s): E GELHARD

Title: HIGH SECURITY LOCK

Abstract: ABSTRACT OF THE DISCLOSURE A high security lock for mounting on a door panel having a latch bolt and a dead bolt with inner and outer knobs to reciprocate the latch bolt and an inner thumb turn and an outer key mechanism to reciprocate the dead bolt. The dead bolt may also be withdrawn simultaneously with the latch bolt by the inner knob and the latch bolt may be withdrawn simultaneously with the dead bolt by the inner thumb turn and by the outer key mechanism.

Classifications:

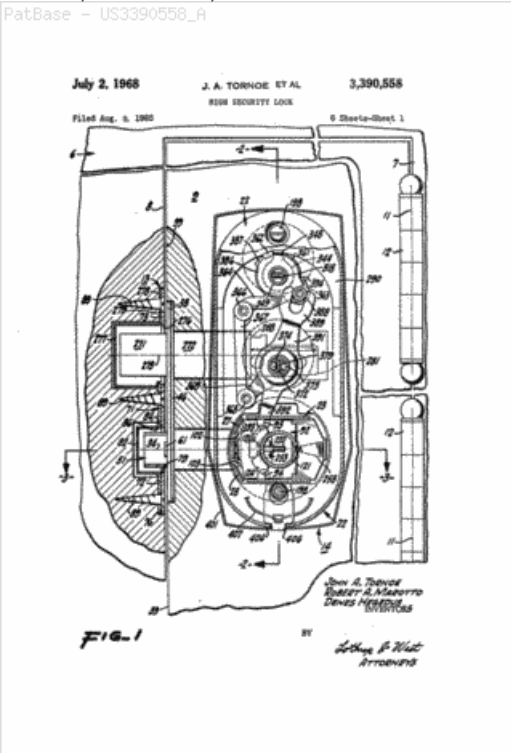
International (IPC 8-9): E05B59/00 (Advanced/Invention); E05B59/00 (Core/Invention)

International (IPC 1-7): E05B59/00 E05B63/10

CPC: E05B59/00 Y10T70/5226 Y10T70/5319 Y10T70/5389 Y10T70/5827 Y10T292/0836

European: E05B59/00

US: 292/33 70/107 70/129 70/145 70/223 701/70



Family:

Publication number	Publication date	Application number	Application date
US3390558 A	19680702	US19650478326	19650809

Priority:

US19650478326 19650809

Probable Assignee: SCHLAGE LOCK CO

Assignee(s): (std): SCHLAGE LOCK CO

Assignee(s): SCHLAGE LOCK COMPANY

Inventor(s): (std): DENES HEGEDUS ; HEGEDUS DENES ; MAROTTO ROBERT A ; TORNOE JOHN A

Inventor(s): (std): SCHEURER FRED
Inventor(s): SCHEURER FRED 4006 ERKRATH DE

Title: TUESCHLOSS FUER VERSCHIEDENE DORNMASSE **DOOR LOCK** FOR VARIOUS DIMENSIONS DORN (Machine translation)

Abstract: Source: DE600475A [DE] (Claim 1) PATENTANSPRUECHE: i. Mit mindestens einem Zylinderschloss ausgestattetes Tuerschloss fuer verschiedene Dornmasse, dadurch gekennzeichnet, dass als Kupplungsglied zwischen Zylinder schloss (i9) und Riegelmitnehmer (i7, 18) eine mit einer Mehrzahl von Einsteck- loechern (2i) fuer den Kurbelzapfen (22) des Zylinderschlusses versehene und kreis foermig parallel verschiebbare Getriebe platte (2o) dient.

Machine translation: (claim 1) CLAIMS: i With at least one **cylinder lock**-equipped **door locks** for different spike mass, characterized in that a coupling element between the **cylinder lock** (i9) and Riegelmitnehmer (i7, 18), a puncture insertion with a plurality of (2i) for the crank **pin** (22) of the **cylinder lock** provided and circular-shaped parallel displaceable gear **plate** (2o) is used.

Classifications:

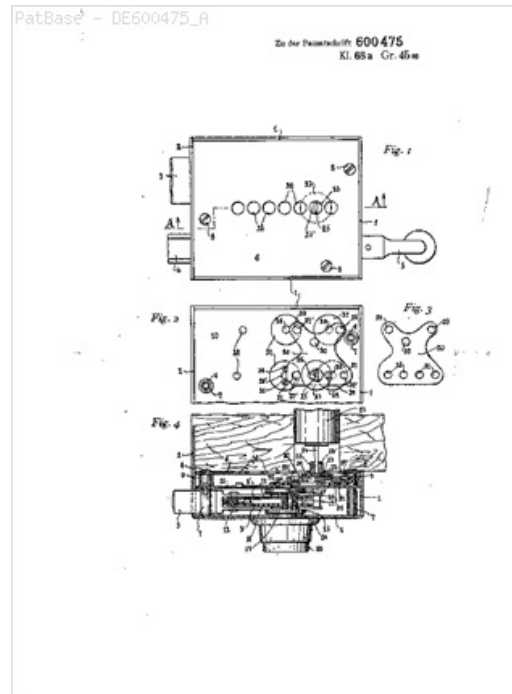
International (IPC 8-9): E05B63/06 (Advanced/Invention);

E05B63/00 (Core/Invention)

International (IPC 1-7): E05B63/06

CPC: E05B63/06

European: E05B63/06



Family:

Publication number	Publication date	Application number	Application date
DE600475 A	19340724	DE1933R088825D	19330923

Priority:

DE1933R088825 19330923

Probable Assignee: LUDWIG ROCHOLL AND CO

Assignee(s): (std): LUDWIG ROCHOLL AND CO

Title: MULTIPOINT HERMETIC CLOSURE SECURITY SYSTEM

Abstract: The present invention relates to a system and a method for the assembly of a multipoint **locking** security system for the adjustment and hermetic sealing of **doors**, which comprises a multipoint security **lock** which acts both as a **locking** mechanism and as a hermetic sealing mechanism. The **locking** system is composed of a cabinet, a **door** and a **box** which may have packing of insulating material, such as neoprene. A **locking** mechanism with multiple **locking** points located at the ends of the **lock** and in the midpoint thereof. The sheet comprises at least three bolts where the vertical bolts have two linear displacements and one central bolt changes at an angle of 90 degrees which engages with the frame of the **box**, even when the perimeter of the entire **door** is fitted with neoprene packing, this allows the **box** to be hermetically sealed. The double displacement of the bolts increases the security of the **lock** by generating a self-**locking** system, if attempts are made to open the **door** in a forcible manner the **lock** is blocked, as the forces are opposed. The only method of opening the **lock** is through the torque force exerted on it by the **cylinder** using the correct key.

Classifications:

International (IPC 8-9): E05B17/20 E05B63/14 E05C1/06 E05C5/00

E05C9/04 E05C9/18 (Advanced/Invention)

CPC: E05B17/0025 E05B15/0086 E05B17/2007 E05C5/00 E05C9/006 E05C9/043 E05C9/18

PatBase - WO14045118_A2

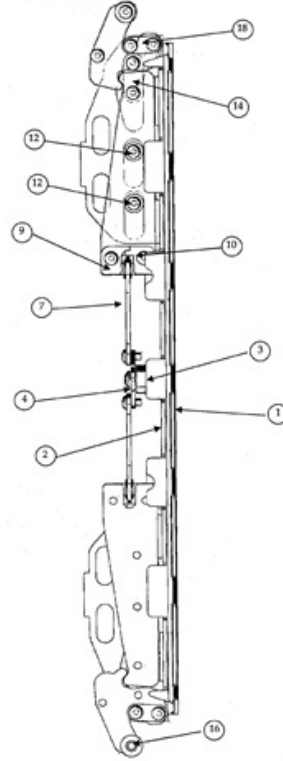


FIG. 4.

Family:

Publication number	Publication date	Application number	Application date
BR112015006219 A2	20170704	BR20151106219	20130924
CO6640040 A1	20130322	CO20120165482	20120924
GT201500062 A	20170104	GT20150000062	20150316
MX2015003587 A1	20151116	MX20150003587	20130924
MX352688 B	20171204	MX20150003587	20130924
PE11052015 A1	20150802	PE20150000371	20130924
WO14045118 A2	20140327	WO20131B02281	20130924
WO14045118 A3	20140619	WO20131B02281	20130924

Priority:

CO20120165482 20120924 WO20131B02281 20130924

Probable Assignee: LATINOAMERICA LTDA AS

Assignee(s): (std): ABLOY COLOMBIA S A S ; LATINOAMERICA LTDA AS

Assignee(s): ABLOY COLOMBIA SAS

Inventor(s): (std): CELY PE A DAVID GERMAN ; CELY PENA ; DAVID GERMAN ; GERMAN CELY PENA DAVID ; GERMAN DAVID ; PENA CELY ; DAVID GERMAN CELY PENA ; DAVID GERMAN CELY PENA ; CELY PENA DAVID GERMAN

Agent(s): GUSTAVO ADOLFO ORTEGA HERNANDEZ

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: **Lock**, in particular furniture **lock**

Abstract: The invention relates to a **lock**, in particular furniture **lock**, having a bolt element (14) which is mounted in the **lock** housing (3) and whose closure movement is effected by the rotatable **locking** bit (49) of a **lock cylinder**. In order to optimise the handling, the invention proposes that the **locking** bit (49) be connected in a rotationally fixed manner to the **cylinder** housing (39) of the **lock cylinder**, designed as a pressure **cylinder** (38), said **cylinder** housing (39) being mounted rotatably on the **lock** housing (3) and exhibiting a rotary handle.

Classifications:

International (IPC 8-9): E05B17/04 E05B9/08 (Advanced/Invention);

E05B13/10 E05B41/00 E05C9/08 (Advanced/Non-invention);

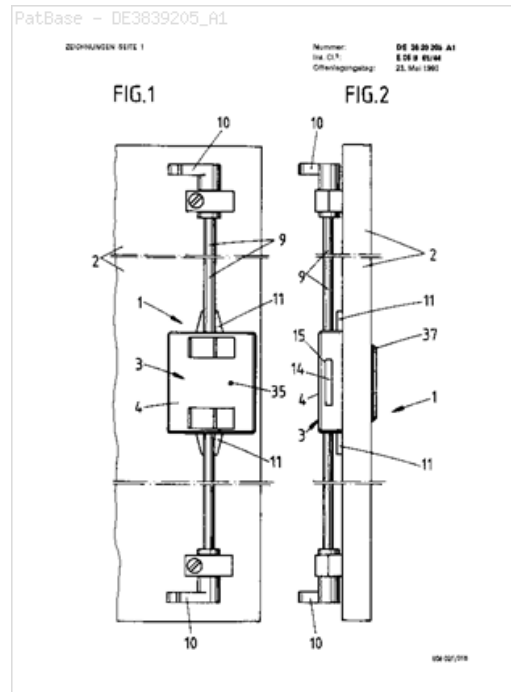
E05B17/00 E05B9/00 (Core/Invention);

E05B13/00 E05B41/00 E05C9/00 (Core/Non-invention)

International (IPC 1-7): E05B27/0 E05B65/44 E05B9/4 E05C9/08

CPC: E05B9/084 E05B13/108 E05B17/04 E05B41/00 E05C9/08

European: E05B17/04 E05B9/08C P05B13/10E2 P05B41/00 P05C9/08



Family:

Publication number	Publication date	Application number	Application date
DE3839205 A1	19900523	DE19883839205	19881119
ES2017365 AF	19910116	ES19890003925	19891117

Priority:

DE19883839205 19881119

Probable Assignee: DOM SICHERHEITSTECHNIK

Assignee(s): (std): CO KG ; DOM SICHERHEITSTECHNIK ; DOM SICHERHEITSTECHNIK GMBH

Assignee(s): DOM SICHERHEITSTECHNIK GMBH AND CO KG 5040 BRUEHL ; DOM SICHERHEITSTECHNIK GMBH AND CO KG 5040 BRUEHL DE

Inventor(s): (std): STEFANESCU ALEXANDER ; REINARTZ JOSEF ; POBANZ KURT

Inventor(s): STEFANESCU ALEXANDER 5000 KOELN DE ; POBANZ KURT 5040 BRUEHL DE ; REINARTZ JOSEF 5354 WOILERSWIST DE

Title: PROTECTING DEVICE FOR AN ACCESS ORIFICE TO A TANK

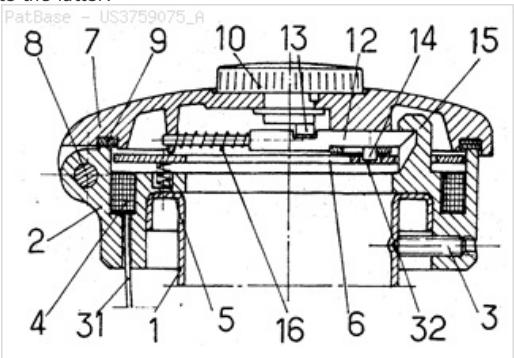
Abstract: A protecting device for an access orifice to a fuel tank of an automotive vehicle with a heat engine, a driver's station and a power source, said device comprising a movable cover to be **locked** in closed position, an actuator for unlocking said cover and connected to said power source and manual means for remote-controlling said actuator, located in the driver's station and inserted between said power source and said actuator to selectively operate the latter.

Classifications:

International (ipc 8-9): B60K15/04 B60K15/05 (Advanced/Invention);
B60K15/05 E05B47/02 (Advanced/Non-invention);
B60K15/04 (Core/Invention);
E05B47/02 (Core/Non-invention)

International (ipc 1-7): B60K15/00 B60R25/00 B65D55/00 B65D55/14
E05B47/00 E05B47/04 E05B51/02 E05B53/00 E05B65/00 E05B65/19
CPC: E05B47/026 E05B47/0004 E05B47/0006 E05B81/08 E05B81/10
E05B47/02 B60K15/05 B60K15/04 B60K2015/03434 B60K2015/0538
B60K2015/0569

European: B60K15/04 B60K15/05 E05B47/02R L60K15/05 L60K15/05K1
P05B47/00A1B1 P05B47/00A1C P05B47/02 P05B51/02 P05B81/08
US: 200/61.89 70/15.9 70/159 70/162 70/255 70/282



Family:

Publication number	Publication date	Application number	Application date
DE2209810 A1	19721012	DE19722209810	19720301
ES393588 A1	19741001	ES19710393588	19710702
FR2097590 A5	19720303	FR19700025920	19700715
FR2127258 A6	19721013	FR19710007053	19710302
GB1362223 A	19740730	GB19710032664	19710712
US3759075 A	19730918	US19710162080	19710713

Priority:

FR19700025920 19700715 FR19710007053 19710302

Probable Assignee: NEIMAN EXPLOITATION BREVETS

Assignee(s): (std): DES BREVETS NEIMAN SOC D EXPL ; DEXPLOITATION DES BREVETS NEIM ; EXPLOIT SOC ; NEIMAN EXPLOITATION BREVETS ; SOC EXPLOIT

Assignee(s): SOC DEXPLOITATION DES BREVETS NEIMAN ; SOCIETE D EXPLOITATION DES BREVETS NEIMAN ; NEIMAN EXPL BREVETS ; SOC EXPLOITATION FR ; DEXPLOITATION DES BREVETS NEIMAN SOC ; EXPLOITATION FR SOC ; D EXPLOITATION DES BREVETS NEIMAN SOC

Inventor(s): (std): LIPSCHUTZ P

Inventor(s): LIPSCHUTZ P FR

Title: Key and/or handle operated antipanic hotel **lock**.

Abstract: The invention relates to an anti-panic **lock** which can be operated by a key and/or by a handle, with a split follower (5, 6), change mechanism, tumbler, **latch** (4) and **latch** bolt, which is to be opened by means of an electrical or electronic device, if appropriate by means of a magnetic or chip card. A mechanical device ensures that the outer handle, when loaded in the **locking** direction of the **lock**, does not strike (block) **lock** furniture parts, but runs against a fixed stop (18), on which it cannot destroy, damage or wear anything which could impair the functioning of the **lock**.

Classifications:

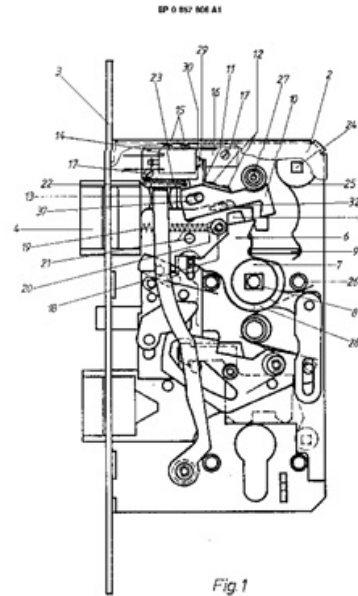
International (IPC 8-9): E05B47/06 (Advanced/Invention);
E05B15/00 E05B35/00 E05B45/00 E05B47/00 E05B59/00 E05B63/00
E05B63/04 E05B65/10 (Advanced/Non-invention);

E05B47/06 (Core/Invention);
E05B15/00 E05B35/00 E05B45/00 E05B47/00 E05B59/00 E05B63/00
E05B65/10 (Core/Non-invention)

International (IPC 1-7): E05B47/06 E05B59/00 E05B63/00 E05B65/10
CPC: E05B15/0093 E05B35/008 E05B45/00 E05B47/0004 E05B47/0006
E05B47/0043 E05B47/0688 E05B59/00 E05B63/0056 E05B63/04
E05B65/1086 E05B2047/0058

European: E05B47/00B5 E05B47/06E E05B47/06E4P P05B15/00W
P05B35/00J P05B45/00 P05B47/00A1B1 P05B47/00A1C P05B47/00B
P05B47/00E2B P05B59/00 P05B63/00S P05B63/04 P05B65/10P

PatBase - EP0657606_A1



Family:

Publication number	Publication date	Application number	Application date
DE4340537 A1	19950601	DE19934340537	19931129
DE4340537 C2	19960509	DE19934340537	19931129
EP0657606 A1	19950614	EP19940117735	19941110

Priority:

DE19934340537 19931129

Probable Assignee: DOERRENHAUS FA WILHELM

Assignee(s): (std): DOERRENHAUS FA WILHELM ; DOERRENHAUS WILHELM FA

Assignee(s): WILHELM DOERRENHAUS GMBH AND CO KG ; WILHELM DOERRENHAUS GMBH AND CO KG 42579 HEILIGENH ; WILHELM DOERRENHAUS GMBH AND CO KG 42579 HEILIGENHAUS DE

Inventor(s): (std): DOERRENHAUS DIETGER ; GABERT ERICH

Inventor(s): GABERT ERICH 42579 HEILIGENHAUS DE ; DOERRENHAUS DIETGER 42549 VELBERT DE

Designated states: AT CH DE FR GB LI NL SE

Title: OUTSIDE HOUSE **DOOR LOCK** REDUCTION GEAR - HAS FULL TURN HELIX ENGAGING SWIVELLING LEVER HINGED TO DRIVE BAR

Abstract: A press knob' **latch**-operated by key against **spring** force, bolt activated solely by key' and one or more similarly movable **lock** lugs, adjust a drive bar, in a **lock** on a **door**, esp. on the outside of a residential building. Each key turn is completely transferable to the bar by a reduction gear, with a curved unit as moving element. The curved unit is a spiral (39") with complete circle coil, turning about its pole. This engages a lever (40',40"), mounted in the **lock** case (2) to swivel about a fixed axis, and hinged to the drive bar. Various sorts of curve are practicable. A high reduction ratio is provided, with a simple gear unit in a compact **lock** case.

Classifications:

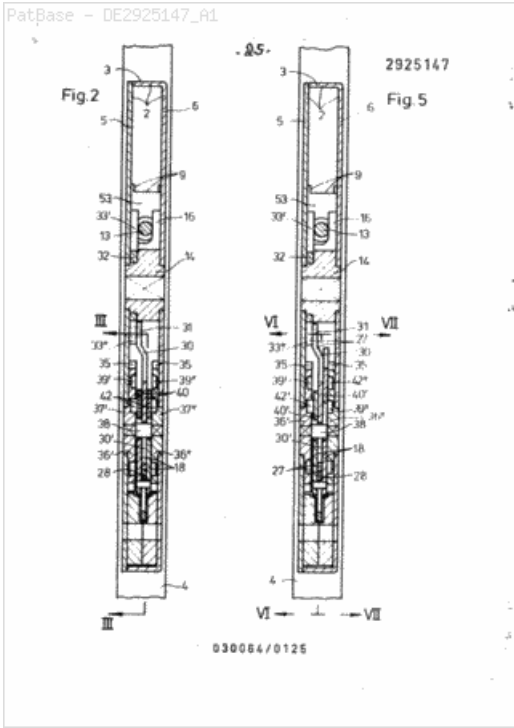
International (IPC 8-9): E05C9/02 (Advanced/Invention);

E05C9/00 (Core/Invention)

International (IPC 1-7): E05B65/00

CPC: E05C9/023

European: E05C9/02A2



Family:

Publication number	Publication date	Application number	Application date
DE2925147 A1	19810122	DE19792925147	19790622

Priority:

DE19792925147 19790622

Probable Assignee: SIEGENIA FRANK KG

Assignee(s): (std): SIEGENIA FRANK KG

Assignee(s): SIEGENIA FRANK KG 5900 SIEGEN ; SIEGENIA FRANK 5900 SIEGEN KG

Inventor(s): (std): FISCHBACH KARL HEINZ ; FRANK GERHARD

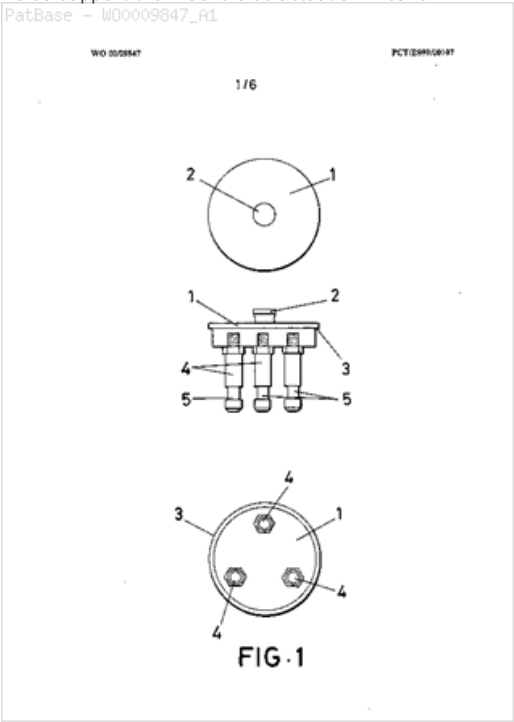
Inventor(s): FRANK GERHARD 5901 WILNSDORF ; FISCHBACH KARL HEINZ 5905 FREUDENBERG

Title: SECURITY DEVICE FOR THE STORAGE OF SMALL OBJECTS

Abstract: The invention relates to a security device for the storage of small objects, said device being installed against a wall and actuated by a appropriate means. The device is comprised of a hollow cylindrical body (6) which has a front closure cover (1) at one extremity, said cover being held in position by means of a pair of discs (17, 18) which receive into respectively facing orifices the internal feet (4) of said cover (1); each of the feet has a small diameter zone (5) susceptible of being retained in respective striated portions which communicate with the orifices (21) of one of the discs (18) with rotation capacity, whereas the cylindrical body (6) is closed on the other extremity by means of auxiliary parts which also support the mobile disc actuation means.

Classifications:

International (IPC 8-9): E05B19/00 E05G1/00 (Advanced/Invention); E05B47/00 (Advanced/Non-invention)
International (IPC 1-7): E05B47/00 E05B65/00 E05B65/52 E05G1/00
CPC: E05B19/0005 E05B47/0012 E05G1/00
European: E05B19/00B E05G1/00 P05B47/00A4



Family:

Publication number	Publication date	Application number	Application date
ES2164503 AA	20020216	ES19980001766	19980814
ES2164503 BA	20031016	ES19980001766	19980814
WO0009847 A1	20000224	WO1999ES00107	19990422

Priority:

ES19980001766 19980814

Probable Assignee: BRISA SEGURIDAD S L
Assignee(s): (std): BRISA SEGURIDAD S L
Inventor(s): (std): ESPADA IBANEZ FRANCISCO
Designated states: AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Title: SECURITY SYSTEM AND APPARATUS

Abstract: **Locking** and unlocking system comprising a **lock**, respectively a combination **lock**, with several possibilities of actuation, which operate the opening and closing mechanism or several of such **locking** mechanisms. One or more of these possibilities provide a normal function, whereas other possibilities provide one or more additional functions, for instance operating a particular operator switch (impedance relay), a contact member, such as an alarm contact (4), or sending a particular message which (in addition to the normal alarm) leads to a marking of the content to be protected, respectively of the author of the crime himself. Even with a mechanical **locking** and with large **locking** mechanisms, this system can be realized with a minimum of drillings and slots, respectively with a single narrow drilling or slot, performed in the front **plates** of the **door**.

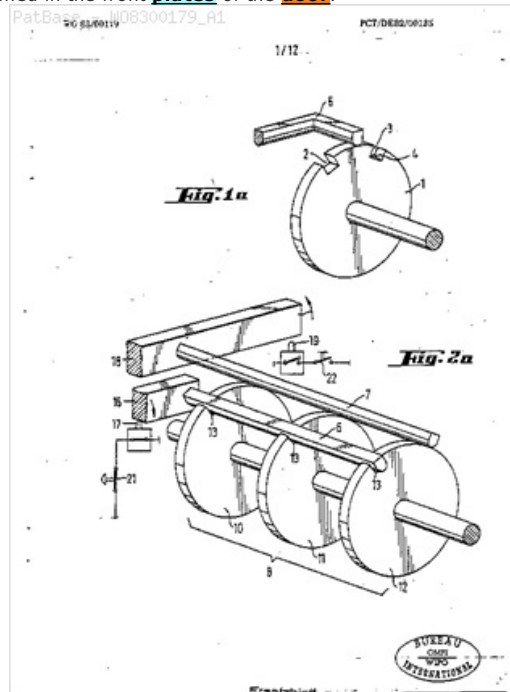
Classifications:

International (IPC 8-9): E05B45/06 G08B29/16 (Advanced/Invention);
E05B45/00 G08B29/00 (Core/Invention)

International (IPC 1-7): E05B45/06 E05G1/10 E05G5/00 G08B13/00
G08B29/00

CPC: E05B45/061 G08B29/16

European: E05B45/06C G08B29/16

**Family:**

Publication number	Publication date	Application number	Application date
AU198286858 A1	19830202	AU19820086858	19820630
DE3125745 A1	19830505	DE19813125745	19810630
DE3224473 A1	19831006	DE19823224473	19820630
EP0090880 A1	19831012	EP19820105846	19820630
WO8300179 A1	19830120	WO1982DE00135	19820630
ZA8204665 A	19840530	ZA19820004665	19820630

Priority:

DE19813125745 19810630 DE19823224473 19820630 WO1982DE00135 19820630

Probable Assignee: STADELMAYR HANS G

Assignee(s): (std): STADELMAYR HANS G ; STADELMAYR HANS GUENTHER ; STADELMAYR HANS GUNTHER

Inventor(s): (std): HANS GUENTHER STADELMAYR ; STADELMAYR H G ; STADELMAYR HANS GUENTHER ; STADELMAYR HANS GUNTHER

Inventor(s): GUENTHER STADELMAYR HANS

Designated states: AT AU BE BR CH FI FR GB HU IT JP KP LI LU NL NO SE SU US

Title: MULTIPLE SECURITY **LOCK** WITH REMOTE ELECTRONIC CONTROL - HAS REMOTE UNIT WITH LOGIC DEVICES, TIMERS AND ALARM

Abstract: A multiple security **lock** with e.g. two sliding bolts (13, 15) can be operated by a key and is additionally controlled by electro-mechanical ceives and also an **electronic** system, remote operated and remote monitored. An upper bolt (13) is purely mechanically operated, has a return **spring** (14), and is manually slid back by a handle (11). The lower botl (19) can be key operated, and the key may be a magnetic coded device (3). The remote control system (6) can include a timer (68) which operates an alarm if a wrong key is inserted. This system can include another timer (44) to control the operation of the electromagnetic release and **locking** devices (e.g. 7). This system can include a static or dynamic logic switch. "AND" "OR" members may be used.

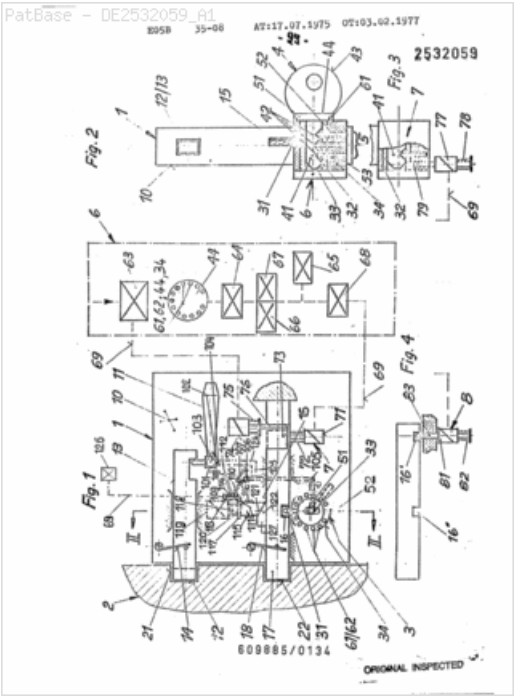
Classifications:

International (IPC 8-9): E05B49/00 (Advanced/Invention);
E05B49/00 (Core/Invention)

International (IPC 1-7): E05B35/08

CPC: E05B49/002

European: E05B49/00M



Family:

Publication number	Publication date	Application number	Application date
DE2532059 A1	19770203	DE19752532059	19750717

Priority:

DE19752532059 19750717

Probable Assignee: PATRA PATENT TREUHAND ANSTALT

Assignee(s): (std): PATENT TREUHAND GES F ELEKTRISCHE GLUEHLAMPEN MBH ; PATRA PATENT TREUHAND ; PATRA PATENT TREUHAND ANSTALT

Title: SAFE AND VALVE OR SWITCH PROTECTION DEVICE

Abstract: A device for preventing the theft of various kinds of vehicles such as land vehicles, aircraft or watercraft. The device is designed to block a selected power line (air, fuel, electricity, etc.) in the expensive and/or hazardous vehicles, and consists of a specially designed compact safe having increased strength due to its small size, and being provided at the back with two inlets and two outlets for connection to the selected power line to be obstructed. The safe has a number of reinforcement and protection features, including a choice of two specially selected high-security bars (with one or two **latches**), and in two of its three embodiments, it is doubly protected by the use of a heavy-duty padlock which, when not in use, may be retained on the side of the safe housing. The protective device completely encloses a ball valve with an arm movable through one quarter of a turn from an open position to a closed position, or an electrical switch housing with AC/DC push buttons or a 6-36 volt all-weather DC switch. In particular, these three options may be made available without changing the design. Said device is also useful for protecting the identity papers of the vehicle and/or other important papers such as invoices by means of a magnetised detachable water-proof document holder mounted on the inner wall of the compact safe rather than being in the glove compartment where it is vulnerable to thieves.

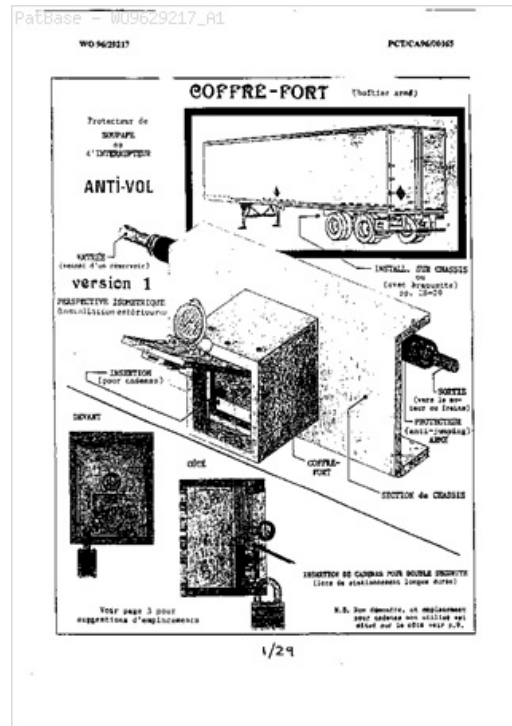
Classifications:

International (IPC 8-9): B60R25/04 B60R25/045 B60R25/08
E05B47/00 (Advanced/Invention);
B60R25/04 (Core/Invention)

International (IPC 1-7): B60R25/04 B60R25/08 E05B47/00

CPC: B60R25/042

European: B60R25/042



Family:

Publication number	Publication date	Application number	Application date
CA2144884 AA	19960918	CA19952144884	19950317
WO9629217 A1	19960926	WO1996CA00165	19960318

Priority:

CA19952144884 19950317

Probable Assignee: DESJARDINS DANIEL

Assignee(s): (std): DESJARDINS DANIEL

Inventor(s): (std): DESJARDINS DANIEL

Designated states: AT BE CH DE DK ES FI FR GB GR IE IT LU MC MX NL PT RU SE US

Abstract: (Claim 1) 1. A tamper indicating sealed casing for **locks** comprising a first hollow housing substantially closed at one end and open at the other end, means to mount said closed end of said first housing beneath a portion of the **lock** supporting structure whereby said first housing cannot be removed without removing a substantial portion of the **lock** structure, means providing passages through said closed end of first housing, a second **cylindrical** housing open at one end and partially closed at the other end telescopically receiving the open end of the first housing a sealing **disk** positioned between the open end of the first housing and abutting the partial closure of said second housing, interengaging projection and recesses on said first and second housings and said sealing **disk** for limiting the mounting of said housing members in definite positions and permitting complete telescoping and closing of the housing members only when the proper combination or projections and recesses are properly located, said partially closed end of said second housing being provided with a continuous rib engaging the sealing member of the **disk** to additionally tension the seal whereby limited physical engagement with the seal after assembly will rupture the seal making such tampering readily noticeable to the observer of the device at a later time, and releasable means operable only from the interior of the housings for retaining the **cylindrical** housings in assembled relation.

International (IPC 8-9): E05B39/02 (Advanced/Invention);
E05B39/00 (Core/Invention)

CPC: E05B39/02 Y10T70/8243 Y10T70/8297 Y10T70/8432 Y10T292/48
European: E05B39/02

US: 292/307R 70/440 70/442 70/447



Publication number	Publication date	Application number	Application date
US3209569 A	19651005	US19620178342	19620308

US19620178342 19620308

Probable Assignee: MILFORD A JUTEN

Assignee(s): (std): MILFORD A JUTEN

Inventor(s): (std): MUNNS GEORGE F ; KNOX BRYSON HENRY

Inventor(s): BRYSON HENRY KNOX

Title: TUERSCHLOSS MIT DER WIRKUNG EINES TUERVERSPERRERS MIT SPIELRAUM **DOOR LOCK** WITH THE EFFECT OF TUERVERSPERRERS WITH TRAVEL (Machine translation)

Abstract: Source: DE619374A [DE] (Claim 1) 1. PATENTAENSPRUCHE - i. Tuerschloss mit der Wirkung eines Tuerversperrers mit Spielraum, bei welchem sich der Schlossriegel mit einem vor dem Schliessblech angeordneten, in dessen Fronteue verschwenkbaren Buegel verhaekt, dadurch gekennzeichnet, dass der Riegel(5) des Schlosses eine Zwischenstellung hat, in der er beim Oeffnen der Tuer mit dem Buegel(3) als Tuerversperrerr mit Spielraum in Eingriff kommt. 2., Schloss nach Anspruch i, dadurch gekennzeichnet, dass die Bewegung des Riegels(5) in der Oeffnungsrichtung bis zu seiner Zwischenstellung fuer den Tuerversperrerr durch einen Anschlag(30,37) begrenzt wird. 3. Schloss nach Anspruch i und 2, da durch gekennzeichnet dass der Anschlag (30,37) zur Sicherung der Riegelzwischenstellung mittels einer durch Hebel, Druckknopf(32) o. dgl. einrueckbaren Klinke(38) ausser Wirkung gesetzt werden kann. 4. Schloss nach Anspruch: 2 und 3, da durch gekennzeichnet, dass durch die Verschiebung des Riegels(5) bis in seine Offenstellung die Klinke(38), durch die der Anschlag(37) zur Sicherung der Riegelzwischenstellung ausser Wirkung gebracht wird, durch eine voruebergehende Beeinflussung ihres Hebels (31) ausgelost wird, so dass der Anschlag(37) fuer den Riegel(5) selbsttaetig wieder in seine Betriebsstellung gebracht wird. 5. Schloss nach Anspruch i und 2 bei welchem der Riegel durch einen Drehknopf bewegt werden kann, dadurch gekennzeichnet, dass zwischen dem Drehknopf (4) und dem Schliesssegment (24), durch die der Riegel in die Offenstellung gezogen wird, eine Zwischenscheibe (29) mit einem Ausschnitt (30) angeordnet ist, mit dem eine Nase(37) an einem unter Federdruck stehenden Sperrhebel (31) zusammenwirkt, um den Anschlag fuer die Begrenzung der Bewegung des Riegels bis in seine Zwischenstellung zu bilden.

Machine translation: (claim 1) 1 PATENTAENSPRUCHE - i Tuerschloss with the effect of a Tuerversperrers with scope for chemical well the **lock** bolt with a prior dem'Schliessblech arranged in the pivotal Fronteue Buegel hooked ver, wherein know that the bolt (5) of the **lock** an intermediate position has, in the **door** he beim Oeffnen with the brackets (3) as Tuerversperrerr engages with latitude. 2., **Lock** according to Claim i, characterized in that the movement of the bolt (5) in the opening direction for up to its intermediate position is the **door**-versperrerr limited by a stop (30,37). Third **Lock** according to claim i und 2, as characterized by that the stop (30,37) for Sicherung # of Riegelzwischenstellung intermediate position by means of a lever, push button (32) or the 'like einrueckbaren pawl (38) except for the effect set who can. 4th **Lock** according to claim: 2 and 3, as characterized by that by the shift of the bolt (5) down to its open position, the pawl (38), is introduced through which the stop (37) for securing the pulley gelzwischenstellung except effect GE, is triggered by a temporal influences on the lever (31) so that the stop (37) for the bolt (5) selbsttaetig again in its loading position taken readiness. 5th **Lock** according to claim i and 2 "at which the bolt by a rotary If button moves may, characterized in that between the rotary knob (4) and the Schliesssegment (24) through which the bolt is pulled into the open position, a intermediate **disk** (29) with a cutout (30) is arranged with a nose (37) on a **spring**-pressure shut-off lever (31) to sammenwirkt to the stop for forming the boundary of the movement of the bolt up to its intermediate position.

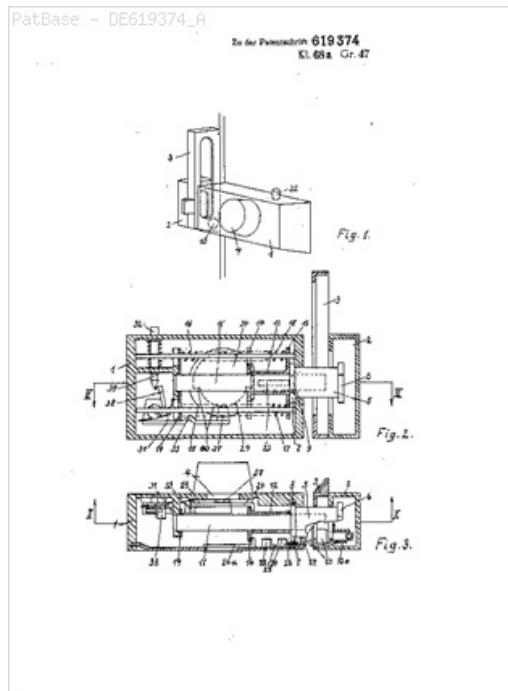
Classifications:

International (IPC 8-9): E05B63/12 (Advanced/Invention);
E05B63/00 (Core/Invention)

International (IPC 1-7): E05B63/00

CPC: E05B63/125

European: E05B63/12E



Family:

Publication number	Publication date	Application number	Application date
DE619374 A	19351002	DE1931N032948D	19311115

Priority:

DE1931N032948 19311115

Probable Assignee:

PAUL NITZ

Assignee(s): (std):

PAUL NITZ

Title: MORTICE **LOCK** FOR METAL **DOORS** - HAS INDIRECT ACTUATING MECHANISM FOR INCREASING BOLT TRAVEL ON ACTUATION

Abstract: The mortice **lock** with horizontally sliding bolt is for pressed metal **door** panel frames. The single turn mortice **lock** ensures high mechanical reliability and stability, being small to fit into narrow profiles. The **lock** bolt is not actuated directly but by a reversing mechanism on rotating a key. The **locking plate** held on a fixed **pin** is displaced by a lever which in turn is held on a fixed **pin**. This **plate** actuates the bolt in the rotating direction of a key or of a **locking cylinder**. The rotating point and the dimensions of the **locking plate** on either side are such that the horizontal displacement of the bolt is at least doubled by the kinematic system on rotating the key by direct actuation.

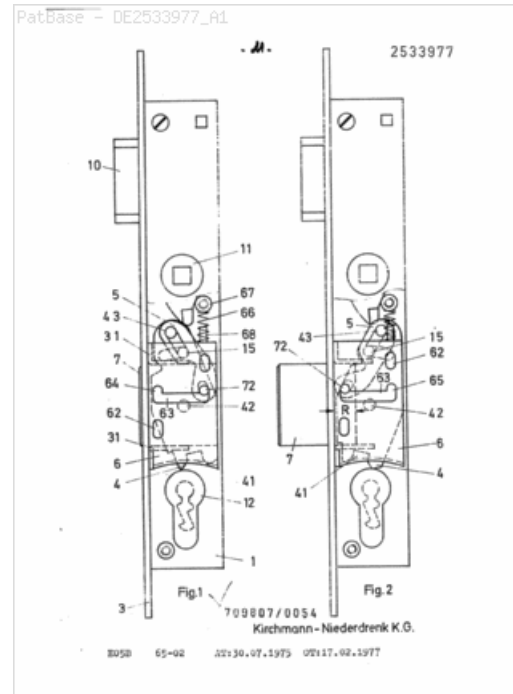
Classifications:

International (IPC 8-9): E05B63/00 (Advanced/Invention);
E05B63/00 (Core/Invention)

International (IPC 1-7): E05B65/02

CPC: E05B63/0021

European: E05B63/00C2



Family:

Publication number	Publication date	Application number	Application date
DE2533977 A1	19770217	DE19752533977	19750730

Priority:

DE19752533977 19750730

Probable Assignee:

KIRCHMANN NIEDERDRENK KG

Assignee(s): (std):

KIRCHMANN NIEDERDRENK KG

Title: ZYLINDERSCHLOSS, DESSEN DREHZYLINDER DURCH EINEN VON SCHEIBENZUHALTUNGEN GESTEUERTEN QUERRIEGEL GEGEN DEN FESTSTEHENDEN GEHAEUSETEIL GESPERRT WIRD **CYLINDER LOCK**, THE ROTARY **CYLINDER** BY A CONTROLLED BY **disk** tumblers CROSS TIE AGAINST THE FIXED GEHAEUSETEIL **LOCKED** WILL (Machine translation)

Abstract: Source: DE636929A [DE] (Claim 1) 1. PATENTANSFRUECHE: i. Zylinderschloss, dessen Drehzylinder durch einen von Scheibenzuhalten ge steuerten Querriegel gegen den fest stehenden Gehaeuseteil gesperrt wird, da durch gekennzeichnet, dass die Zuhaltun- gen mit den Querriegel zwangslaeufig nach beiden Seiten fuehrenden Sperrmitteln ver sehen sind.

Machine translation: (claim 1) 1 PATENTANSFRUECHE: i **cylinder lock**, whose rotary **cylinder** by a controlled **disk** tumblers of GE transverse bolt **locked** against the fixed Gehaeuseteil is, as characterized by that the are Zuhaltun gene see inevitably with the transverse bar according to both sides leading blocker means Ver.

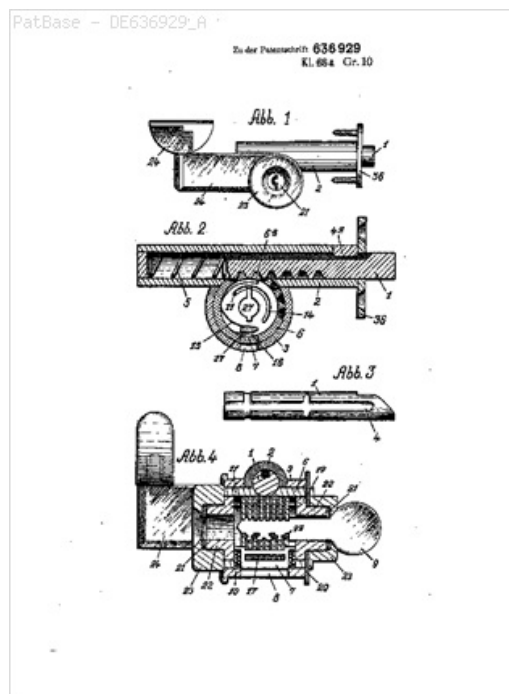
Classifications:

International (IPC 8-9): E05B29/00 (Advanced/Invention);
E05B29/00 (Core/Invention)

International (IPC 1-7): E05B29/00

CPC: E05B29/00

European: 68AB5 E05B29/00



Family:

Publication number	Publication date	Application number	Application date
DE636929 A	19361017		19301205

Probable Assignee:

THEO THOMALLA

Assignee(s): (std):

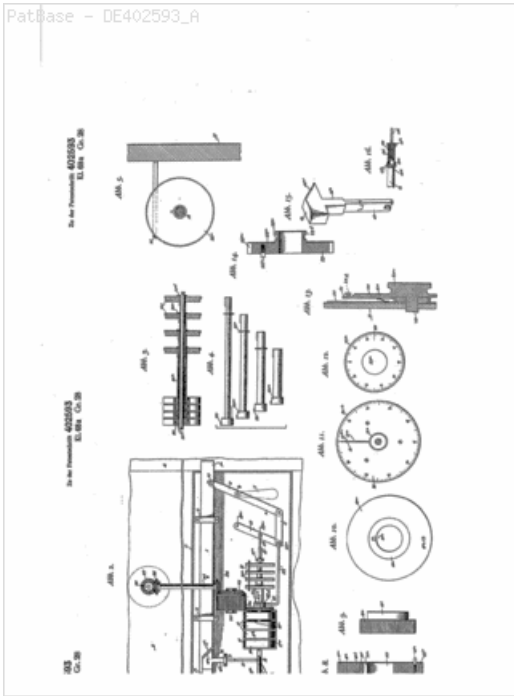
THEO THOMALLA

Title: SICHERHEITSSCHLOSS SECURITY **LOCK** (Machine translation)

Abstract: Source: DE402593A [DE] (Claim 1) 1. PATENTANSPRUECHE: i. Sicherheitsschloss, dadurch gekenn zeichnet, dass ein Hauptriegel (i) mittels eines Hilfsriegels (4) in der Verschlusslage gesichert und die Bewegung einer Hand habe (7) mittels eines zweiarmigen Hebels (8, 9) einerseits von einem Hebelarm (8) aus mittels einer Stiftuehrung (io) auf den Hauptriegel (i), andererseits vom anderen Hebelarm (9) durch ein Gestaenge (1i, 12, 13, 14, i5), in welches Irehbare, von einer Scheibe (29) aus einstellbare Zuhaltungen (i8) nebst Sperranschlaegen (2o) eingeschaltet sind, auf den Hilfsriegel (4) uebertragen wird.

Machine translation: (claim 1) 1 Claims: i security **lock**, characterized in that a main bolt (i) by means of an auxiliary bolt (4) secured in the closed position and the movement of a handle (7) by means of a two-armed lever (8, 9) one part of a lever arm (8) is made by means of a Stiftuehrung (io) on the main bolt (i), the other part of the other lever arm (9) by a linkage (1i, 12, 13, 14, i5) into which Irehbare, by a **disk** (29) of adjustable tumblers (i8) together with Sperranschlaegen (2o) are switched on, is being transmitted to the auxiliary **latch** (4).

Classifications:
International (ipc 8-9): E05B37/00 (Advanced/Invention);
E05B37/00 (Core/Invention)
International (ipc 1-7): E05B37/08
CPC: E05B37/00
European: E05B37/00



Family:

Publication number	Publication date	Application number	Application date
DE402593 A	19240918	DE1922M078446D	19220719

Priority:
DE1922M078446 19220719

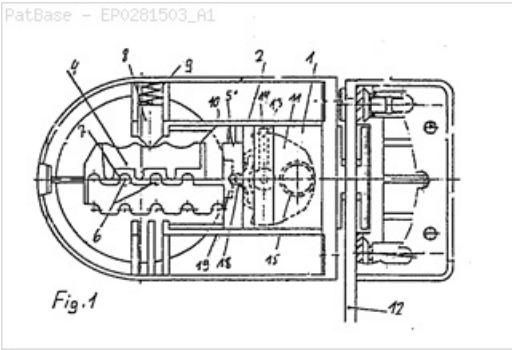
Probable Assignee: FRANK ALBERT MC CABE
Assignee(s): (std) FRANK ALBERT MC CABE

Title: Cabinet **lock**.

Abstract: 1. Cabinet **lock** the bolt of which is movable by means of a keeper and a drive element engaging with the latter, the drive element being operable by a rotary knob or **cylinder lock**, characterised in that the keeper (4, 16) is connected to the bolt (1) by means of a form-**locking** connection (5) provided at the rear end of the bolt (1) and allowing relative movement perpendicular to the direction of movement of the bolt (1), and in that the keeper (4, 16) has, perpendicular to this connection (5), an undulating control track (10) which cooperates with a **spring**-loaded thrust component (8) which is mounted in the **lock** housing and is movable parallel to the connection (5).

Classifications:

International (IPC 8-9): E05B63/04 E05B9/00 (Advanced/Invention);
E05B63/00 E05B9/00 (Core/Invention)
International (IPC 1-7): A45C 13/14 E05B15/14 E05B65/52 E05B9/00
CPC: E05B63/04
European: E05B63/04



Family:

Publication number	Publication date	Application number	Application date
AT53624 E	19900615	AT19880730027T	19880205
DE3860221 D1	19900719	DE19883860221	19880205
DE8703581 U1	19870723	DE19870003581U	19870306
DE8703581 U1	19870903	DE19870003581U	19870306
EP0281503 A1	19880907	EP19880730027	19880205
EP0281503 B1	19900613	EP19880730027	19880205

Priority:

DE19870003581U 19870306 DE19883860221 19880205 EP19880730027 19880205
EP19880730027 19880205

Probable Assignee: IKON PRAEZISIONSTECHNIK

Assignee(s): (std): IKON AG PRAEZIS TECH ; ZEISS IKON AG ; IKON PRAEZISIONSTECHNIK

Assignee(s): ZEISS IKON GOERZ WERK 1000 BERLIN DE AG ; ZEISS IKON AG GOERZ WERK 1000 BERLIN DE ; IKON AG PRAEZISIONSTECHNIK 1000 BERLIN DE ; IKON PRAEZIS TECH AG

Inventor(s): (std): RIEGER FLORIAN ; RININSLAND ROLF

Inventor(s): RININSLAND ROLF D 1000 BERLIN 37 DE ; RIEGER FLORIAN D 1000 BERLIN 41 DE

Designated states: AT BE CH DE GB LI NL

Title: TUERSCHLOSS **DOOR LOCK** (Machine translation)

Abstract: Source: DE324766A [DE] (Claim 1) 1. PATENT-ANSPRUECKZ: i. Tuerschloss mit mindestens einem Druerk-ker und einer als Riegel dienenden Falle, bei welchem die durch den Schluessel ver stellbare Nuss gleichachsigt mit der Dreh achse des Drueckers angeordnet ist, dadurch gekennzeichnet, dass an der geradlinig verlaufenden Falle eine verschwenkbare Klinke (6) angelenkt ist, welche mit einem durch den Druecker bewegbaren Kupplungs organ (9) unmittelbar in und ausser Ein griff gebracht werden kann, wobei diese Klinke durch ein mittels der Nuss (i3) be wegbares Ein- und Ausrueckorgan in Form eines Schwinghebels (49), welcher sich staendig auf die Nuss stuetzt, zwanglaeufig entkuppelt und durch dasselbe Ein- und Ausrueckorgan in der entkuppelten Lage gesichert wird.

Machine translation: (claim 1) 1 PATENT ANSPRUECKZ: i Tuerschloss with at least one Druerk-ker and serving as the **latch** bolt, wherein the Ver by the key adjustable nut coaxial axis with the rotation of the pusher is arranged, characterized in that at the rectilinear case a pivotable pawl (6) is articulated, which organ with a by the pusher movable clutch (9) directly into and out of a handle is to be placed, said pawl by a means of the nut (i3) be wegbares inputs and Ausrueckorgan in the form of an oscillating lever (49), which will be constantly supported on the nut which inevitably uncoupled and secured by the same inputs and Ausrueckorgan in the disengaged position.

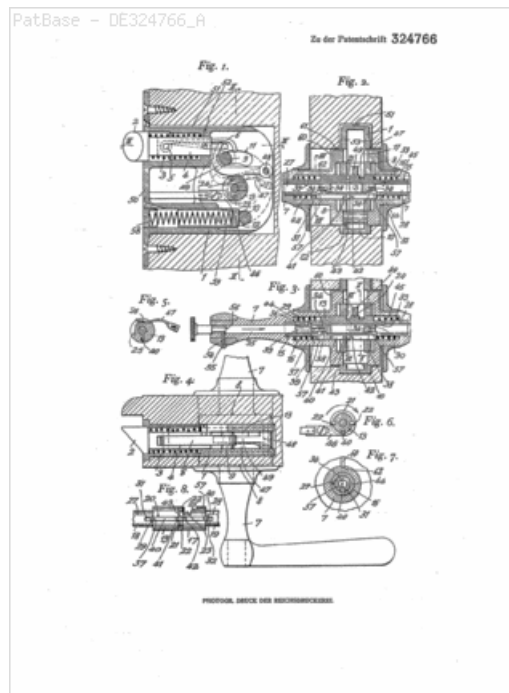
Classifications:

International (IPC 8-9): E05B55/00 E05B55/14 (Advanced/Invention); E05B55/00 (Core/Invention)

International (IPC 1-7): E05B55/14 E05B63/10

CPC: E05B55/00

European: E05B55/00



Family:

Publication number	Publication date	Application number	Application date
DE324766 A	19200903		19180607

Priority:

19180408

Probable Assignee:

KARL MEIER MAENDLI

Assignee(s): (std):

KARL MEIER MAENDLI

Title: EINTOURIGES ZUHALTUNGSSCHLOSS.

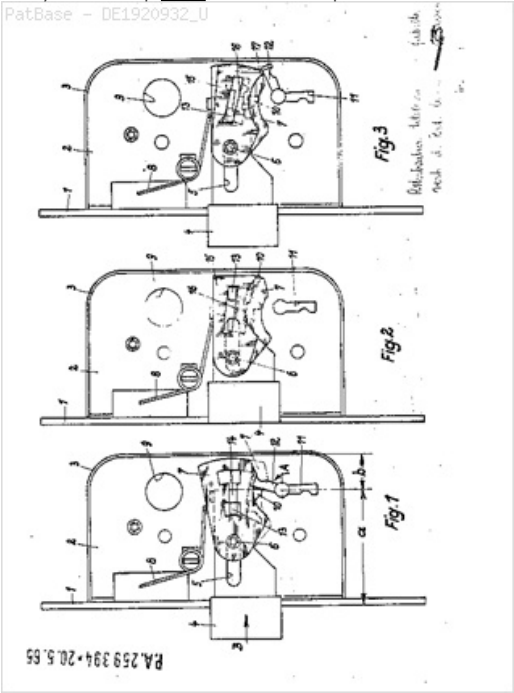
Abstract: (Claim 1) 1:" gch # o3 'da characterized # RCH that an adjustable safety ungselement #,-voegesehe n, which has a control edge "at dereinem Rie" # oldest provided **locking pin** abuts steuerend and. their "Verl.auf # RKT-bewi that this pen in ausgesperrtem.giegel,-d," a forth un-i m gsele developed area, in the course of a rotation is, - sat beard causes . The **lock** of claim Fekenn records-t. That Sichrungselement plattenfaei ss l "9 #. Au t ISTP your backup **disk** to the brehzapfen deir" #

Classifications:

International (IPC 8-9): E05B25/00 (Advanced/Invention);

E05B25/00 (Core/Invention)

International (IPC 1-7): E05B25/00



Family:

Publication number	Publication date	Application number	Application date
DE1920932 U	19650805	DE1965R030650U	19650520

Priority:

AT19640094564 19640526

Probable Assignee: GRUNDMANN ROHRBACHER SCHLOSSER

Assignee(s): (std): GRUNDMANN ROHRBACHER SCHLOSSER

Assignee(s): ROHRBACHER SCHLOSSERWARENFABRIK WILH GRUNDMANN